



System x® Configuration and Options Guide

Overview

(27 October 2015)

Version 238.0

The System x *Configuration and Options Guide* (COG) is now available in Hypertext Markup Language (HTML). The Configuration and Options Guide contains general configuration information about products and supported options, such as, System x®; Including Flex System, NeXtScale, iDataplex and BladeCenter.

New information

Versions of this document released on or after August 8th, 2006, will contain references to feature codes.

Attention:

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For more details about feature codes, contact your Lenovo representative.

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Audience	Link	Additional information
Configuration and Options Guide (COG)		
Customers	http://www.ibm.com/support/entry/portal/docdisplay?brand=5000008&Indocid=SCOD-3ZVQ5W	PDF & HTML versions
	http://www.ibm.com/systems/xbc/cog/index.html	HTML version
Business Partners	http://www.ibm.com/partnerworld/pwhome.nsf/weblook/index.html	User ID and password required.
IBM Employees	www.ibm.com/support/docview.wss?rs=1201&uid=psg1SCOD-3ZVQ5W	-
Feedback	datadoc@lenovo.com	
Server Proven		
Customers	http://www.ibm.com/servers/eserver/serverproven/compat/us/	-
Partnerworld program		
Business Partners	http://www.ibm.com/partnerworld/pwhome.nsf/weblook/index.html	User ID and password required.
Feedback	IBMSHD08@us.ibm.com	-
Latest product & technical information		
Customers	www.ibm.com/systems/x/	-
Business Partners	http://www.ibm.com/partnerworld/pwhome.nsf/weblook/index.html	Select Products & Services (user ID and password required).
Standalone Solutions Configuration Tool (SSCT)		
Customers	http://www.ibm.com/support/entry/portal/docdisplay?brand=5000008&Indocid=MIGR-62168	-
Additional URLs		
Technical spec sheets (PSREF)	www.ibm.com/systems/x/	Select Technical spec sheets (PSREF).
Clustering (US, LA, CAN)	http://www-03.ibm.com/systems/clusters/hardware.html	Select appropriate category or server.
Benchmark Results	http://www.ibm.com/systems/x/resources/benchmarks/	Select appropriate category or server.
Options/NOS/Server Compatibility	www.ibm.com/systems/x/	Select appropriate Product Type.
Active PCI	www.ibm.com/systems/x/	Select System x Compatibility, Active PCI Info
IBM Storage Products	http://www.ibm.com/systems/storage/index.html	Select appropriate category.
Adv Sys Mgmt Adapter Firmware	http://www.ibm.com/systems/management/index.html	Select Servers, select Intel-based Servers, select Fixes, select Get Fixes, select appropriate category.
Flash BIOS Updates	http://www.ibm.com/support/us/en/?cm_re=masthead-_supdl-_supdl	Select Servers, select Intel-based Servers, select Fixes, select Get Fixes, select device drivers by server, select appropriate category.
ServerRAID™ Updates	http://www.ibm.com/support/us/en/?cm_re=masthead-_supdl-_supdl	Select Servers, select Intel-based Servers, select Fixes, select Get Fixes, select appropriate category.
VMware	http://www.ibm.com/systems/x/solutions/infrastructure/virtualization/index.html	-
Options Continuation Program	http://www.ibm.com/systems/x/options/rackandpower/continuation.html	-

System x3100 M5 (5457)

Attention:

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- [At a glance](#)
- [Options](#)

Table 1. System x3100 M5 (5457) at-a-glance

Part number1	Withdrawal date4	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Rack cord)3	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
5457-A3Y	-	Intel Pentium Processor G3440 3.3GHz 3MB 1600MHz 2C (54W)	1/1	4GB / 32GB	4U Tower	1/1 RC	N/A	Y
5457-B3Y	-	Intel Xeon Processor E3-1220 v3 3.1GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	4U Tower	1/1 RC	N/A	Y
5457-C3Y	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	4U Tower	1/1 RC	N/A	Y
5457-C5Y	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	5U Tower	1/2 RC	P, H	Y
5457-EBY2	-	Intel Xeon Processor E3-1220 v3 3.1GHz 8MB cache 1600MHz 4C (80W)	1/1	16GB / 32GB	4U Tower	1/1 RC	N/A	Y
5457-ECY2	-	Intel Xeon Processor E3-1220 v3 3.1GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	4U Tower	1/1 RC	N/A	Y
5457-EFY2	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	4U Tower	1/1 RC	N/A	Y
5457-EJY2	-	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	5U Tower	1/2 RC	P, H	Y
5457-EKY2	-	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	1/1	16GB / 32GB	5U Tower	2/2 RC	P, H	Y
5457-F3Y	-	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	5U Tower	1/2 RC	P, H	Y

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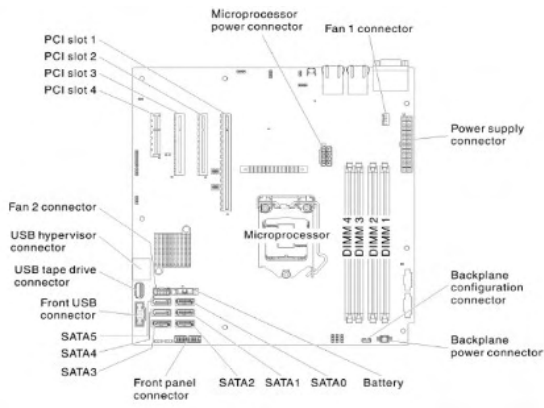
Table 1. System x3100 M5 (5457) at-a-glance (continued)

Part number1	Withdrawal date4	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
5457-A3Y	-	Dual 1Gb	C100	Simple Swap 3.5" SATA	0GB/12TB	HH DVD-ROM	6/5	4/4
5457-B3Y	-	Dual 1Gb	C100	Simple Swap 3.5" SATA	0GB/12TB	HH DVD-ROM	6/5	4/4
5457-C3Y	-	Dual 1Gb	C100	Simple Swap 3.5" SATA	0GB/12TB	HH DVD-ROM	6/5	4/4
5457-C5Y	-	Dual 1Gb	H1110	Hot Swap 3.5" SAS/SATA	0GB/12TB	HH Multiburner	6/5	4/3
5457-EBY2	-	Dual 1Gb	C100	Simple Swap 3.5" SATA	0GB/12TB	HH Multiburner	6/5	4/4
5457-ECY2	-	Dual 1Gb	C100	Simple Swap 3.5" SATA	1TB/12TB	HH Multiburner	6/4	4/4
5457-EFY2	-	Dual 1Gb	C100	Simple Swap 3.5" SATA	0GB/12TB	HH Multiburner	6/5	4/4
5457-EJY2	-	Dual 1Gb	M1115	Hot Swap 2.5" SAS/SATA	0GB/8TB	HH Multiburner	10/9	4/3
5457-EKY2	-	Dual 1Gb	M5110 +512MB Flash	Hot Swap 2.5" SAS/SATA	0GB/8TB	HH Multiburner	6/5	4/3
5457-F3Y	-	Dual 1Gb	M1115	Hot Swap 2.5" SAS/SATA	0GB/8TB	HH Multiburner	10/9	4/3

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5457-C3Y is 5457-C3U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- TopSeller model.
- RC abbreviation indicates that the US models ship standard with a rack cord. Models without rack cords will be indicated with a hyphen.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner

Figure 1. System x3100 M5 (5457) System Board Layout



System x3100 M5 (5457)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc				
SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00AL152	-	A4VZ	Intel Xeon Processor E3-1220L v3 1.1GHz 4MB cache 1600MHz 2C (13W)	-
00J6464	-	A3QT	Intel Xeon Processor E3-1220 v3 3.1GHz 8MB cache 1600MHz 4C (80W)	B3Y, EBY, ECY, , , , , ,
00KA400	-	A58B	Intel Core i3 Processor 4360 3.7GHz 4MB 1600MHz 2C (54W)	-
00KA401	-	A58C	Intel Core i3 Processor 4350 3.6GHz 4MB 1600MHz 2C (54W)	-
00KA403	-	A58D	Intel Core i3 Processor 4150 3.5GHz 3MB 1600MHz 2C (54W)	-
00KA404	-	A58E	Intel Core i3 Processor 4150T 3.0GHz 3MB 1600MHz 2C (35W)	-
00KA405	-	A58F	Intel Pentium Processor G3450 3.4GHz 3MB 1600MHz 2C (53W)	-
00KA406	-	A58R	Intel Pentium Processor G3220 3.0GHz 3MB 1333MHz 2C (53W)	-
00KA407	-	A58G	Intel Pentium Processor G3240 3.1GHz 3MB 1333MHz 2C (53W)	-
00KA408	-	A58H	Intel Pentium Processor G3240T 2.7GHz 3MB 1333MHz 2C (35W)	-
00KA410	-	A58S	Intel Celeron Processor G1840 2.8GHz 2MB 1333MHz 2C (53W)	-
00KA436	-	A58J	Intel Pentium Processor G3440 3.3GHz 3MB 1600MHz 2C (53W)	A3Y
00KA437	-	A58K	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	C3Y, C5Y, EFY
00KA438	-	A58L	Intel Xeon Processor E3-1241 v3 3.5GHz 8MB cache 1600MHz 4C (80W)	-
00KA439	-	A58M	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	F3Y, EJY, EKY
00KA440	-	A58N	Intel Xeon Processor E3-1281 v3 3.7GHz 8MB cache 1600MHz 4C (82W)	-
00KA441	-	A58P	Intel Xeon Processor E3-1275L v3 2.7GHz 8MB cache 1600MHz 4C (45W)	-
00KA442	-	A58Q	Intel Xeon Processor E3-1240L v3 2.0GHz 8MB cache 1600MHz 4C (25W)	-

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
00D5011	00D5012	A3QB	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
00D5015	00D5016	A3QC	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A3Y, B3Y, C3Y, C5Y, F3Y,.	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
EBY, . ECY, ., ., ., EFY, ., ., ., EJY, ., EKY, .	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM

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System x3100 M5 (5457)

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• At a glance		• Options				
Processor Memory HDD I/O Pwr Acc						
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	3-10	8
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	3-10	8
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	3-10	8
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3-10	8
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3-10	8
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3-10	8
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	3-10	8
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3-10	8
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3-10	8
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	-	-	-
00AD087	00AD085	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	-	-	-
SAS Hot-Swap 3.5" HDDs						
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3, 4, 5, 6	4
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3, 4, 5, 6	4
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3, 4, 5, 6	4
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3, 4, 5, 6	4
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3, 4, 5, 6	4
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3, 4, 5, 6	4
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	49Y6129	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	-	-	-
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	-	-	-
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	-	-	-
SATA Hot-Swap 2.5" HDDs						
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3-10	8
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3-10	8
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3-10	8
SATA Hot-Swap 3.5" HDDs						
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3, 4, 5, 6	4
00FN115	-	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3, 4, 5, 6	4
00FN145	-	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3, 4, 5, 6	4
00FN175	-	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3, 4, 5, 6	4
SATA Hot-Swap 2.5" Solid State Drives						
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	3-10	8
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	3-10	8

00FN329	00FN327	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	3â€10	8
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€10	8
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	-	-	-
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	-	-	-
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	-	-	-
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ010	-	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ005	-	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ000	-	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
SATA Hot-Swap 3.5" Solid State Drives						
00YC422	00YC420	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	3, 4, 5, 6	4
SATA Simple-Swap 3.5" HDDs						
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3, 4, 5, 6	4
81Y9804	81Y9802	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3, 4, 5, 6	4
81Y9808	81Y9806	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3, 4, 5, 6	4
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3, 4, 5, 6	4
Optical drives						
43W8265	81Y6404	4155	HH Multiburner DVD	HH	1	1
43W8264	00J5999	4154	Hh DVD-Rom	HH	1	1
Associated HDD Options						
00Y8199	00J6352	A49A	System x3100 3.5" Simple Swap HDD Hardware RAID upgrade kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Figure 1. 3.5" model of 5U chassis

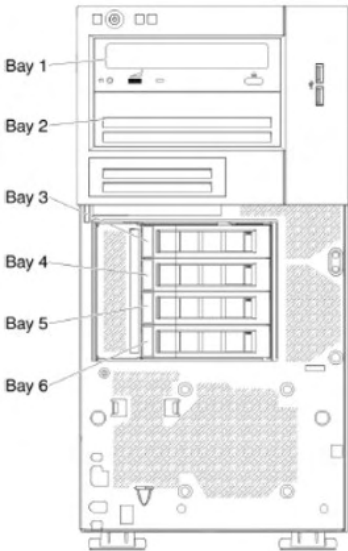


Figure 2. 2.5" model of 5U chassis

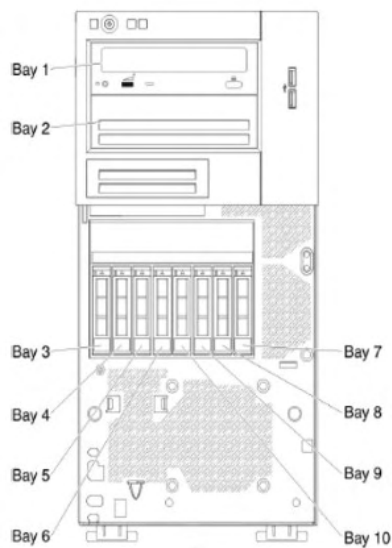
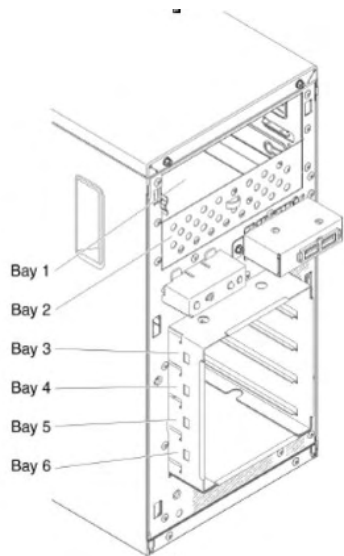


Figure 3. 3.5" model of 4U chassis



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Table 1. HDD drive bays				
Bay	Form Factor	Height	Front access	Usage
3.5"HDD				
1	133mm (5.25in)	HH	Y	Std. Optical
2	133mm (5.25in)	HH	Y	Tape
3	89mm (3.5in)	LFF	Y	3.5"HDD
4	89mm (3.5in)	LFF	Y	3.5"HDD
5	89mm (3.5in)	LFF	Y	3.5"HDD
6	89mm (3.5in)	LFF	Y	3.5"HDD
2.5"HDD				
1	133mm (5.25in)	HH	Y	Std. Optical
10	63.5mm (2.5in)	SFF	Y	2.5"HDD
2	133mm (5.25in)	HH	Y	Tape
3	63.5mm (2.5in)	SFF	Y	2.5"HDD
4	63.5mm (2.5in)	SFF	Y	2.5"HDD
5	63.5mm (2.5in)	SFF	Y	2.5"HDD
6	63.5mm (2.5in)	SFF	Y	2.5"HDD
7	63.5mm (2.5in)	SFF	Y	2.5"HDD
8	63.5mm (2.5in)	SFF	Y	2.5"HDD
9	63.5mm (2.5in)	SFF	Y	2.5"HDD

System x3100 M5 (5457)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCI-E x8	1, 2, 3	N	3
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCI-E x8	1, 2, 3	N	3
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCI-E x8	1, 2, 3	N	3
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCI-E x8	1, 2, 3	N	3
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x8	1, 2, 3	N	3
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x8	1, 2, 3	N	3
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
68Y7355	46M0907	5982	6Gb SAS HBA	Half	PCI-E x8	1, 2, 3	N	3
81Y4493	81Y4492	A1XL	ServeRAID H1110 SAS/SATA Controller	Half	PCI-E x4	3, 4	N	1
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	1, 2	N	1
81Y4450	81Y4448	A1MZ	ServeRAID M1115 SAS/SATA Controller	Half	PCI-E x8	1, 2, 3	N	1
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E x8	1, 2, 3	N	3
81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4311	81Y4542	A1X1	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x8	1, 2, 3	N	3
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x8	1, 2, 3	N	3
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCI-E x8	1, 2, 3	N	3
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x8	1, 2, 3	N	3
95Y3761	95Y3760	A2U2	Emulex VFA III/IIIr FCoE/iSCSI License (FoD)	-	-	-	-	-
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1, 2, 3	N	3
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1, 2, 3	N	3
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCI-E x8	1, 2, 3	N	1
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCI-E x8	1, 2, 3	N	3
90Y4323	81Y4406	A17U	ServeRAID C100 Series RAID 5 Upgrade-FoD	-	-	-	-	-
81Y4575	-	A1X9	ServeRAID M5100 Series 425mm Flash Power Module Cable	-	-	-	-	-
90Y4322	-	A17T	ServeRAID C100 for System x	N/A	N/A	N/A	N	N/A
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCI-E x8	1, 2, 3	N	1
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-

49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1, 2, 3	N	2
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x4	3, 1, 2	N	3
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x1	4, 3	N	2
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E x8	1, 2, 3	N	3
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1, 2, 3	N	3
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E x8	1, 2, 3	N	3
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCI-E x8	3, 1, 2	N	3
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E x8	1, 2, 3	N	3
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-E x4	3, 1, 2	N	3
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x8	1, 2, 3	N	3
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x8	1, 2, 3	N	3
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E x4	1, 2, 3, 4	N	4
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E x4	1, 2, 3, 4	N	4
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E x4	1, 2, 3, 4	N	4
Video Adapters								
90Y2384	-	A3WH	NVIDIA Quadro K600	Half	PCI-Ex16	1	N	1
Other I/O								
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
00Y8198	-	A49B	System x3100 Operating Temperature Enhancement Kit for 4U Tower	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	PClex16 Gen3 (Electrical x8)	PCIe	3.3	5.0Gb/s	x8	N	Half
PCI Slot 2	PClex8 Gen3 (Electrical x8)	PCIe	3.3	5.0Gb/s	x8	N	Half
PCI Slot 3	PClex8 Gen2 (Electrical x4)	PCIe	3.3	5.0Gb/s	x4	N	Half
PCI Slot 4	PClex4 Gen2 (Electrical x1)	PCIe	3.3	5.0Gb/s	x1	N	Half

* Lenovo has withdrawn this product from marketing.

System x3100 M5 (5457)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
00D3820	00D3821	A2Z0	430W Redundant Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	55952KX	-	T1.5kVA Tower UPS (200-240VAC)
-	55952AX	-	T1.5kVA Tower UPS (100-125VAC)
-	55951KX	-	T1kVA Tower UPS (200-240VAC)
-	55951AX	-	T1kVA Tower UPS (100-125VAC)
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)

-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Universal Management Gateway			
-	3858D3X*	-	Avocent Universal Management Gateway 6000 for IBM
Keyboard and Mouse			
40K9491	40K9200	8912	2 Button Optical Wheel Mouse - Black - USB
00AM640	00AM600	A4XJ	Pref. Pro Keyboard USB - US English 103P RoHS v2
00AM653	-	A4XX	Pref. Pro Keyboard USB - French Canadian 445 Multiling. RoHS v2
00AM654	-	A4XY	Pref. Pro Keyboard USB - French Canadian 058 French RoHS v2
46W6682	-	A50G	Keyboard w/ Int. Pointing Device USB - US Eng 103P RoHS v2
46W6690	-	A50Q	Keyboard w/ Int. Pointing Device USB - Fr/Canada 445 RoHS v2
Associated Options			
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
00Y8201	-	A49D	System x3100 Thermal Solution Fan kit for 5U Tower
00Y8202	-	A49C	System x3100 Operating Temperature Enhancement Kit for 5U Tower
46W9174	-	A3SF	System x3100 Thermal Solution Fan kit for 4U Tower
46W9175	00J6455	A3SE	System x3100 Hardware RAID Remote Battery/Cap Mechanical kit
-	39R6531	-	3M SAS Cable
-	39R6529	-	1M SAS Cable
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable

39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5652	-	6370	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8123	-	6373	Line cord - 4.3m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3250 M5 (5458)

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- At a glance
- Options

Table 1. System x3250 M5 (5458) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Rack cord)	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
5458-A2Y	31 March 2015	Intel Pentium G3420 3.2GHz 3MB 1600MHz 2C (54W)	1/1	4GB / 32GB	Rack (1U)	1/1 RC	N/A	Y
5458-EAY3	-	Intel Xeon E3-1220v3 3.1GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/1 RC	N/A	Y
5458-B2Y	-	Intel Xeon E3-1220v3 3.1GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	Rack (1U)	1/1 RC	N/A	Y
5458-C2Y	31 March 2015	Intel Xeon E3-1230v3 3.3 GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	Rack (1U)	1/1 RC	H	Y
5458-C4Y	31 March 2015	Intel Xeon E3-1230v3 3.3 GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/1 RC	H	Y
5458-EBY3	31 March 2015	Intel Xeon E3-1230v3 3.3 GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/1 RC	H	Y
5458-EDY3	31 March 2015	Intel Xeon E3-1230v3 3.3 GHz 8MB cache 1600MHz 4C (80W)	1/1	16GB / 32GB	Rack (1U)	2/2 RC	P,H	Y
5458-ECY3	31 March 2015	Intel Xeon E3-1240v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/2 RC	P,H	Y
5458-F2Y	31 March 2015	Intel Xeon E3-1240v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/2 RC	P, H	Y
5458-G2Y	31 March 2015	Intel Xeon E3-1270v3 3.5GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/2 RC	P, H	Y
5458-A3Y	-	Intel Pentium Processor G3440 3.3GHz 3MB 1600MHz 2C (54W)	1/1	4GB / 32GB	Rack (1U)	1/1 RC	N/A	Y
5458-C3Y	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	Rack (1U)	1/1 RC	H	Y
5458-C5Y	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	4GB / 32GB	Rack (1U)	1/1 RC	N/A	Y
5458-EEY3	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/1 RC	H	Y
5458-ELY3	-	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/2 RC	H	Y
5458-ENY3	-	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	1/1	16GB / 32GB	Rack (1U)	2/2 RC	H	Y
5458-F3Y	-	Intel Xeon Processor E3-1241 v3 3.5GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/1 RC	H	Y
5458-F5Y	-	Intel Xeon Processor E3-1241 v3 3.5GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/2 RC	H	Y
5458-G3Y	-	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	1/1	8GB / 32GB	Rack (1U)	1/2 RC	H	Y

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Table 1. System x3250 M5 (5458) at-a-glance (continued)

Part number1	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
5458-A2Y	31 March 2015	BMC5719 2 PORT	Server Raid C100	Simple Swap SATA	0GB/12TB	N/A	4/4	2/2
5458-EAY3	-	BMC5719 2 PORT	Server Raid C100	Simple Swap SAS/SATA	0GB/12TB	N/A	4/4	2/2
5458-B2Y	-	BMC5719 2 PORT	Server Raid C100	Simple Swap SATA	0GB/12TB	N/A	4/4	2/2

5458-C2Y	31 March 2015	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/12TB	N/A	4/4	2/1
5458-C4Y	31 March 2015	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	Optional	4/4	2/1
5458-EBY3	31 March 2015	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	SATA Multi-Burner	4/4	2/1
5458-EDY3	31 March 2015	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/8TB	SATA Multi-Burner	8/4	2/1
5458-ECY3	31 March 2015	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	SATA Multi-Burner	4/4	2/1
5458-F2Y	31 March 2015	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	Optional	4/4	2/1
5458-G2Y	31 March 2015	BMC5719 2 PORT	M1115 SAS/SATA controller	Hot Swap SAS/SATA	0GB/8TB	Optional	8/8	2/1
5458-A3Y	-	BMC5719 2 PORT	Server Raid C100	Simple Swap	0GB/12TB	N/A	4/4	2/2
5458-C3Y	-	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/12TB	N/A	4/4	2/1
5458-C5Y	-	BMC5719 2 PORT	Server Raid C100	Simple Swap	0GB/4TB	Optional	4/4	2/2
5458-EEY3	-	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/12TB	N/A	4/4	2/1
5458-ELY3	-	BMC5719 2 PORT	M1115 SAS/SATA controller	Hot Swap SAS/SATA	0GB/8TB	SATA Multi-Burner	8/8	2/1
5458-ENY3	-	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	SATA Multi-Burner	4/4	2/1
5458-F3Y	-	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	Optional	4/4	2/1
5458-F5Y	-	BMC5719 2 PORT	H1110 SAS/SATA Controller	Hot Swap SAS/SATA	0GB/4TB	Optional	4/4	2/1
5458-G3Y	-	BMC5719 2 PORT	M1115 SAS/SATA controller	Hot Swap SAS/SATA	0GB/8TB	Optional	8/8	2/1

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5458-B2Y is 5458-B2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
3. TopSeller model.

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System x3250 M5 (5458)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc				
SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00AK830	-	A4QN	Intel Pentium Processor G3430 3.3 GHz 3MB 1600MHz 2C (54W)	-
00AK831	-	A4QP	Intel Pentium Processor G3220 3.0 GHz 3MB 1333MHz 2C (54W)	-
00AK832	-	A4QQ	Intel Pentium Processor G3420T 2.7GHz 3MB 1600MHz 2C (35W)	-
00AK833	-	A4QR	Intel Pentium Processor G3220T 2.6GHz 3MB 1333MHz 2C (35W)	-
00AK834	-	A4QS	Intel Core i3 Processor 4340 3.6GHz 4MB 1600MHz 2C (54W)	-
00AK835	-	A4QT	Intel Core i3 Processor 4330 3.5GHz 4MB 1600MHz 2C (54W)	-
00AK836	-	A4QU	Intel Core i3 Processor 4130 3.4GHz 3MB 1600MHz 2C (54W)	-
00AK837	-	A4QV	Intel Core i3 Processor 4330T 3.0GHz 4MB 1600MHz 2C (35W)	-
00AK838	-	A4QW	Intel Core i3 Processor 4130T 2.9GHz 3MB 1600MH 2C (35W)	-
00AM057	-	A4K6	Intel Xeon Processor E3-1220L v3 1.1GHz 4MB cache 1600MHz 2C (13W)	-
00AM058	-	A4K7	Intel Pentium Processor G3420 3.2GHz 3MB 1600MHz 2C (54W)	A2Y
00Y7581	-	A4GK	Intel Xeon Processor E3-1265L v3 2.5GHz 8MB cache 1600MHz 4C (45W)	-
00Y7582	-	A4GL	Intel Xeon Processor E3-1230L v3 1.8GHz 8MB cache 1600MHz 4C (25W)	-
46W6609	-	A3U8	Intel Xeon Processor E3-1270 v3 3.5GHz 8MB cache 1600MHz 4C (80W)	G2Y
46W6612	-	A3UB	Intel Xeon Processor E3-1220 v3 3.1GHz 8MB cache 1600MHz 4C (80W)	B2Y, EAY
00FL401	-	A5DM	Intel Xeon Processor E3-1281 v3 3.7GHz 8MB cache 1600MHz 4C (82W)	-
00FL402	-	A5DN	Intel Xeon Processor E3-1271 v3 3.6GHz 8MB cache 1600MHz 4C (80W)	-
00FL403	-	A5DP	Intel Xeon Processor E3-1241 v3 3.5GHz 8MB cache 1600MHz 4C (80W)	-
00FL404	-	A5DQ	Intel Xeon Processor E3-1231 v3 3.4GHz 8MB cache 1600MHz 4C (80W)	-
00FL405	-	A5DR	Intel Xeon Processor E3-1275L v3 2.7GHz 8MB cache 1600MHz 4C (45W)	-
00FL406	-	A5DS	Intel Xeon Processor E3-1240L v3 2.0GHz 8MB cache 1600MHz 4C (25W)	-
00FL407	-	A5DT	Intel Xeon Processor E3-1286 v3 3.7GHz 8MB cache 1600MHz 4C (84W)	-
00FL408	-	A5DU	Intel Xeon Processor E3-1286L v3 3.2GHz 8MB cache 1600MHz 4C (65W)	-
00FL409	-	A5DV	Intel Core i3 Processor 4360 3.7GHz 4MB 1600MHz 2C (54W)	-
00FL410	-	A5DW	Intel Core i3 Processor 4350 3.6GHz 4MB 1600MHz 2C (54W)	-
00FL411	-	A5DY	Intel Core i3 Processor 4150 3.5GHz 3MB 1600MHz 2C (54W)	-
00FL412	-	A5DZ	Intel Pentium Processor G3450 3.4GHz 3MB 1600MHz 2C (53W)	-
00FL413	-	A5E0	Intel Pentium Processor G3440 3.3GHz 3MB 1600MHz 2C (53W)	-
00FL414	-	A5E1	Intel Pentium Processor G3240 3.1GHz 3MB 1333MHz 2C (53W)	-
00FL416	-	A5E3	Intel Core i3 Processor 4350T 3.1GHz 4MB 1600MHz 2C (35W)	-
00FL417	-	A5E4	Intel Core i3 Processor 4150T 3.0GHz 3MB 1600MHz 2C (35W)	-
00FL418	-	A5E5	Intel Pentium Processor G3240T 2.7GHz 3MB 1333MHz 2C (35W)	-
00FL419	-	A5H3	Intel Celeron Processor G1850 2.9GHz 2MB 1333MHz 2C (53W)	-
00FL420	-	A5H4	Intel Celeron Processor G1840 2.8GHz 2MB 1333MHz 2C (53W)	-

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
00D5011	00D5012	A3QB	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
00D5015	00D5016	A3QC	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y, C2Y	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
C4Y, F2Y, G2Y, EBY, ECY, EDY	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM

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System x3250 M5 (5458)

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	42D0707*	-	500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	SFF	0-7	4
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0-7	8
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0-7	8
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0-7	8
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-7	8
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-7	8
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-7	8
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0-7	8
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-7	8
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-7	8
00AJ302	-	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0-7	8
-	00NA441	-	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	-	-	-
SAS Hot-Swap 3.5" HDDs						
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	SL	0-3	4
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	SL	0-3	4
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	SL	0-3	4
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0-3	4
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0-3	4
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0-3	4
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0-3	4
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0-3	4
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0-3	4
SAS Simple-Swap 2.5" HDDs						
-	81Y9674*	-	300GB 15K 6Gbps SAS 2.5" G2SS HDD	SFF	0-7	8
-	81Y9654*	-	900GB 10K 6Gbps SAS 2.5" SFF SS HDD	SFF	0-7	8
-	90Y8935*	-	146GB 15K 6Gbps SAS 2.5" SFF G2SS HDD	SFF	0-7	8
-	90Y8895*	-	300GB 10K 6Gbps SAS 2.5" SFF G2SS HDD	SFF	0-7	8
-	90Y8890*	-	600GB 10K 6Gbps SAS 2.5" SFF G2SS HDD	SFF	0-7	8
SATA Hot-Swap 2.5" HDDs						
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-7	8
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-7	8
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-7	8
SATA Hot-Swap 3.5" HDDs						
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	SL	0-3	4
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	SL	0-3	4
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	SL	0-3	4
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	SL	0-3	4
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0-3	4
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0-3	4
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0-3	4
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0-3	4
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0-3	4

00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0-3	4
SATA Hot-Swap 2.5" Solid State Drives						
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	0-7	8
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	0-7	8
00FN329	00FN327	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	0-7	8
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
00YC367	00YC365	AT8M	120GB Enterprise Entry SATA HS 2.5" SSD	SFF	0-7	8
00YC372	00YC370	AT8N	240GB Enterprise Entry SATA HS 2.5" SSD	SFF	0-7	8
00YC377	00YC375	AT8P	480GB Enterprise Entry SATA HS 2.5" SSD	SFF	0-7	8
00YC382	00YC380	AT8Q	960GB Enterprise Entry SATA HS 2.5" SSD	SFF	0-7	8
SATA Hot-Swap 3.5" Solid State Drives						
00YC422	00YC420	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	0-3	4
SATA Simple-Swap 2.5" HDDs						
-	81Y9742*	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF SS HDD	SFF	0-7	4
-	81Y9738*	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF SS HDD	SFF	0-7	8
-	81Y9734*	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF SS HDD	SFF	0-7	8
SATA Simple-Swap 3.5" HDDs						
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	SL	0-3	4
81Y9804	81Y9802	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	SL	0-3	4
81Y9808	81Y9806	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	SL	0-3	4
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	SL	0-3	4
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0-3	4
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0-3	4
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0-3	4
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0-3	4
SATA Simple-Swap 2.5" Solid State Drives						
-	90Y8668*	-	128GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
-	90Y8663*	-	256GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
-	49Y5849*	-	64GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
-	00AJ390*	-	800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
-	00AJ385*	-	480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
-	00AJ380*	-	240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
-	00AJ375*	-	120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0-7	8
Optical drives						
44W3251	-	4161	UltraSlim Enhanced SATA DVD-ROM	US	ODD Bay	1
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	US	ODD Bay	1
Associated HDD Options						
-	00AL348	-	x3250 M5 HS 2.5" HDD 4 to 8 Upgrade Kit	-	-	-
-	00KC525	-	System x3250 M5 Hot Swap HDD RAID 5 Upgrade Kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
3.5" HDD				
0	89mm(3.5in)	SL	Y	HDD

1	89mm(3.5in)	SL	Y	HDD
2	89mm(3.5in)	SL	Y	HDD
3	89mm(3.5in)	SL	Y	HDD
2.5" HDD				
0	65mm(2.5in)	SFF	Y	HDD
1	65mm(2.5in)	SFF	Y	HDD
2	65mm(2.5in)	SFF	Y	HDD
3	65mm(2.5in)	SFF	Y	HDD
4	65mm(2.5in)	SFF	Y	HDD
5	65mm(2.5in)	SFF	Y	HDD
6	65mm(2.5in)	SFF	Y	HDD
7	65mm(2.5in)	SFF	Y	HDD
8	Optical drive 133mm(5.25in)	US	Y	Std. Optical

* Lenovo has withdrawn this product from marketing.

System x3250 M5 (5458)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCI-E x8	2	N	1
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCI-E x8	2	N	1
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCI-E x8	2	N	1
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCI-E x8	2	N	1
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x8	2	N	1
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x8	2	N	1
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
81Y4493	81Y4492	A1XL	ServeRAID H1110 SAS/SATA Controller	Half	PCI-E x4	1	N	1
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	2	N	1
81Y4450	81Y4448	A1MZ	ServeRAID M1115 SAS/SATA Controller	Half	PCI-E x8	2	N	1
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E x8	2	N	1
81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4311	81Y4542	A1X1	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x8	2	N	1
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x8	2	N	1
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCI-E x8	2	N	1
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x8	2	N	1
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	2	N	1
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	2	N	1
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCI-E x8	2	N	1
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCI-E x8	2	N	1
90Y4323	81Y4406	A17U	ServeRAID C100 Series RAID 5 Upgrade-FoD	-	-	-	-	-
81Y4575	-	A1X9	ServeRAID M5100 Series 425mm Flash Power Module Cable	-	-	-	-	-
90Y4322	-	A17T	ServeRAID C100 for System x	N/A	N/A	N/A	N	1
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCI-E x8	2	N	1
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCI-E x8	2	N	1
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-Ex8	2	N	1

90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x1	2	N	1
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-Ex8	2	N	1
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-Ex8	2	N	1
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-Ex8	2	N	1
00AM012	00AM013	A4K5	Broadcom Ethernet Adapter 5719 - 4 port upgrade	-	-	-	-	-
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-Ex8	2	N	1
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-Ex8	2	N	1
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x4	2	N	1
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x4	2	N	1
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-Ex8	2	N	1
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-Ex8	2	N	1
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-Ex8	2	N	1
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-Ex8	2	N	1
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-Ex8	2	N	1
00JY825	-	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-Ex8	2	N	1
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-Ex8	2	N	1
Systems Management								
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade	-	-	-	-	-
Other I/O								
00J6350	00J6351	A3SD	Operating Temperature Enhancement Kit	-	-	-	-	-
41Y8306	-	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-

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Figure 1. PCI riser-card assembly connectors

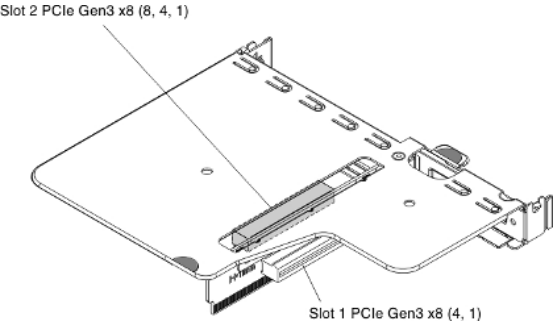
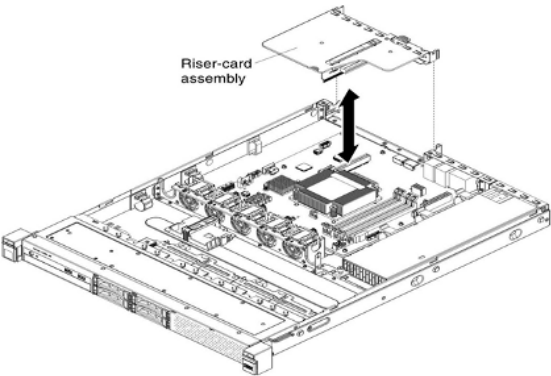


Figure 2. Riser Card Assembly



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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1 (On left)	PCI-E x8, dedicated for H1110 SAS/SATA controller (FC A1XL)	PCIe 3.0	3.3V	16GB/s	-	N	Half
PCI Slot 2 (On right)	PCI-E x8, Support full and half length card	PCIe 3.0	3.3V	16GB/s	-	N	Full Height / Half Length

System x3250 M5 (5458)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
94Y6235	94Y6236	A2E8	460W Redundant Power Supply Unit with 80+ certified
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module

-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
40K9491	40K9200	8912	Optical Wheel Mouse - USB RoHS
Associated Options			
42C2060	39R6529	3708	1M SAS Cable
42C2061	39R6531	3707	3M SAS Cable
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
Fiber Cables			
13N1942	-	3703	1m LC-LC Fiber Cable
13N1943	-	3704	5m LC-LC Fiber Cable
13N1944	-	3705	25m LC-LC Fiber Cable
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord

39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3300 M4 (7382)

Attention:

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- [At a glance](#)
- [Options](#)

Table 1. System x3300 M4 (7382) at-a-glance

Part number ¹	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max) ⁴	Form factor	Power supply quantity (std/max) (Rack cord) ²	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7382-A2Y	30 June 2015	Intel Xeon Processor E5-2403 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	2GB / 192GB	4U Tower	1/1 RC	H	Y
7382-B2Y	30 June 2015	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	4GB / 192GB	4U Tower	1/1 RC	H	Y
7382-C2Y	30 June 2015	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	4GB / 192GB	4U Tower	1/1 RC	H	Y
7382-D2Y	30 June 2015	Intel Xeon Processor E5-2430 6C 2.2GHz 15MB Cache 1333MHz 95W	1/2	4GB / 192GB	4U Tower	1/2 RC	P, H	Y
7382-D4Y	30 June 2015	Intel Xeon Processor E5-2430 6C 2.2GHz 15MB Cache 1333MHz 95W	1/2	4GB / 192GB	4U Tower	1/2 RC	P, H	Y
7382-EAY ⁷	-	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	8GB / 192GB	4U Tower	1/1 RC	H	Y
7382-EBY ⁷	-	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	8GB / 192GB	4U Tower	1/2 RC	P, H	Y
7382-ECY ⁷	-	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	1/2	8GB / 192GB	4U Tower	1/2 RC	P, H	Y
7382-F2Y	30 June 2015	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	1/2	4GB / 192GB	4U Tower	1/2 RC	P, H	Y

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Table 1. System x3300 M4 (7382) at-a-glance (continued)

Part number ¹	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
7382-A2Y	30 June 2015	Dual port 1Gb	SW RAID, C105	LFF Simple Swap	0TB/48TB	SATA DVD-ROM	6/5	6/5
7382-B2Y	30 June 2015	Dual port 1Gb	SW RAID, C105	LFF Hot Swap	0TB/48TB	SATA DVD-ROM	6/5	6/5
7382-C2Y	30 June 2015	Dual port 1Gb	H1110	LFF Hot Swap	0TB/48TB	SATA DVD-ROM	6/5	6/5
7382-D2Y	30 June 2015	Dual port 1Gb	H1110	LFF Hot Swap	0TB/48TB	SATA DVD-ROM	6/5	6/5
7382-D4Y	30 June 2015	Dual port 1Gb	M1115	SFF Hot Swap	0TB/25.6TB	SATA DVD-ROM	10/9	6/5
7382-EAY ⁷	-	Dual port 1Gb	M1115	LFF Hot Swap	0TB/48TB	SATA DVD-ROM	6/5	6/5
7382-EBY ⁷	-	Dual port 1Gb	M1115	LFF Hot Swap	0TB/48TB	SATA DVD-ROM	6/5	6/5
7382-ECY ⁷	-	Dual port 1Gb	M1115	SFF Hot Swap	0TB/25.6TB	SATA DVD-ROM	10/9	6/5
7382-F2Y	30 June 2015	Dual port 1Gb	M1115	SFF Hot Swap	0TB/25.6TB	SATA DVD-ROM	10/9	6/5

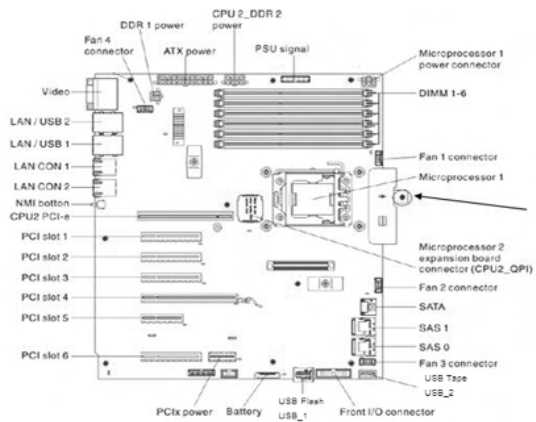
Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7382-A2Y is 7382-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- LC abbreviation indicates that the US models ship standard with a line cord.

- Models without line cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
 4. 32 GB LRDIMMs will be available in the first half of 2013 for a maximum capacity of 384 GB.
 5. To upgrade 3.5" x 4 system to accommodate 8 HDDs, select one additional 4 x 3.5" upgrade kit (Simple-swap option 00D2590/ Hot swap option 00D9146)
 6. To upgrade 2.5" x 8 system to accommodate 16 HDDs, select one additional 8 x 2.5" upgrade kit (Option 00D2592)
 7. TopSeller model.

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Figure 1. System x3300 M4 (7382) system board



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System x3300 M4 (7382)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	00D2589	-	Addl Intel Xeon Processor E5-2470 8C 2.3GHz 20MB 95W Upgrade Kit	-
-	00D2588	-	Addl Intel Xeon Processor E5-2450 8C 2.1GHz 20MB 95W Upgrade Kit	-
-	00D2587	-	Addl Intel Xeon Processor E5-2450L 8C 1.8GHz 20MB 70W Upgrade Kit	-
-	00D2586	-	Addl Intel Xeon Processor E5-2430L 6C 2.0GHz 15MB 60W Upgrade Kit	-
-	00D2585	-	Addl Intel Xeon Processor E5-2440 6C 2.4GHz 15MB 95W Upgrade Kit	-
-	00D2584	-	Addl Intel Xeon Processor E5-2430 6C 2.2GHz 15MB 95W Upgrade Kit	-
-	00D2583	-	Addl Intel Xeon Processor E5-2420 6C 1.9GHz 15MB 95W Upgrade Kit	-
-	00D2582	-	Addl Intel Xeon Processor E5-2407 4C 2.2GHz 10MB 80W Upgrade Kit	-
-	00D2581	-	Addl Intel Xeon Processor E5-2403 4C 1.8GHz 10MB 80W Upgrade Kit	-

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System x3300 M4 (7382)

Attention:

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	49Y1397	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1407	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1406	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
-	49Y1400*	-	16GB (1x16GB, 4Rx4, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	49Y1403*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 ECC DDR3 1333MHz LP UDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3178	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3109	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1559	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D4968	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM

Note:

1. The Memory Speed at which the memory actually operates depends on several factors. This includes CPU capability (Maximum memory speed supported - 1066MHz, 1333MHz, 1600MHz), DIMM type(s) used (RDIMM/UDIMM, Single/Dual/Quad Rank), number of DIMMs populated per channel. When intermixing different voltage DIMMs, the memories will all operate at the highest common voltage. So when mixing 1.35 DIMMS (which can also run at 1.5V) with 1.5V only DIMMS, all memory in the system will operate at 1.5V.

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Figure 1. Memory channel interface layout for independent mode

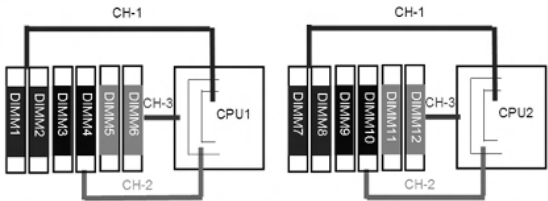
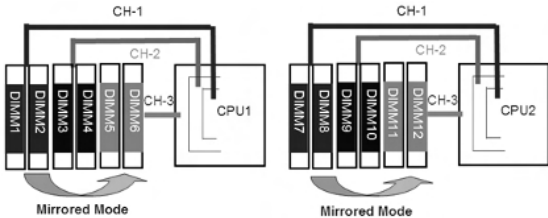


Figure 2. Memory channel interface layout for mirrored mode



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Table 1. Standard Memory Configuration

Model Std. DIMM Configuration

A2Y	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
B2Y, C2Y, D2Y, D4Y, F2Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM

Table 2. DIMM Population Sequece (Mirrored Channel Mode)

CPU	Slot
CPU 1	1,5 → 2,6
CPU 1 & CPU 2	1,5 → 7,11 → 2,6 → 8,12

Table 3. DIMM Population Sequence (Independent Mode)

CPU	Slot
CPU 1	1 → 3 → 5 → 2 → 4 → 6
CPU1 & CPU2	1 → 7 → 3 → 9 → 5 → 11 → 2 → 8 → 4 → 10 → 6 → 12

Table 4. DIMM Population Sequence (Spare Channel Mode)

CPU	Slot
CPU 1	1,2 → 3,4 → 5,6
CPU1 & CPU 2	1,2 → 7,8 → 3,4 → 9,10 → 5,6 → 11,12

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* Lenovo has withdrawn this product from marketing.



System x3300 M4 (7382)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	81Y9690	-	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	3â€18	16
-	81Y9670	-	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	3â€18	16
-	81Y9650	-	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	3â€18	16
-	90Y8953	-	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	3â€18	16
-	90Y8926	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€18	16
-	90Y8877	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€18	16
-	90Y8872	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€18	16
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€18	16
-	90Y8913	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€18	16
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	-	-	-
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	-	-	-
-	00AD075	-	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	3â€18	16
-	00AD085	-	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	3â€18	16
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€18	16
-	00AJ300	-	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	3â€18	16
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€18	16
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€18	16
SAS Hot-Swap 3.5" HDDs						
-	90Y8577	-	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€10	8
-	90Y8572	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€10	8
-	90Y8567	-	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€10	8
-	49Y6102	-	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€10	8
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€10	8
-	49Y6092	-	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€10	8
-	49Y6210	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	3â€10	8
-	00W1543	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	3â€10	8
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€10	8
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€10	8
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€10	8
-	00ML213	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€10	8
SAS Hot-Swap 2.5" Solid State Drives						
-	49Y6139	-	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	49Y6134	-	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	49Y6195	-	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
SATA Hot-Swap 2.5" HDDs						
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€18	16
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€18	16
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€18	16
SATA Hot-Swap 3.5" HDDs						

-	81Y9798	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	81Y9794	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	81Y9790	-	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	81Y9786	-	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	49Y6002	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN173	-	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN143	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN113	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
SATA Hot-Swap 2.5" Solid State Drives						
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	3â€18	16
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	41Y8341	-	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	41Y8336	-	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	41Y8331	-	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€18	16
-	00AJ015	-	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ010	-	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ005	-	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ000	-	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ370	-	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ365	-	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ360	-	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00AJ355	-	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€18	16
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	3â€18	16
-	00FN327	-	480GB SATA 2.5" MLC HS Entry SSD	SFF	3â€18	16
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	3â€18	16
SATA Simple-Swap 3.5" HDDs						
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	81Y9810	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	81Y9806	-	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	81Y9802	-	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
Optical drives						
-	81Y6404	-	HH Multiburner DVD	HH	1,2	2
-	00J5999	-	Hh DVD-Rom	HH	1,2	2
Associated HDD Options						
-	90Y4349	-	8-Pack ServeRAID C105 Controller Enabler	-	-	-
-	00D2592	-	System x3300 2nd 2.5" HS Upgrade Kit	-	-	-
-	00D2590	-	System x3300 Simple-Swap SATA Kit 4x3.5"	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

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System x3300 M4 (7382)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	49Y4218	-	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	42C1820*	-	Brocade 10Gb CNA	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	42C1800*	-	QLogic 10Gb CNA	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	46M0907	-	6Gb SAS HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5

-	81Y4492	-	ServeRAID H1110 SAS/SATA Controller	Half	PCI-E 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	1/1
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	1/1
-	90Y4318	-	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y4542	-	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4559	-	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	90Y4273	-	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	81Y4508	-	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
-	81Y4546	-	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
-	81Y4544	-	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4484	-	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4478	-	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	Y	2
-	81Y4448	-	ServeRAID M1115 SAS/SATA Controller	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	1/1
-	81Y4481	-	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	1/1
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	81Y1655	-	Emulex 16Gb FC Single-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	95Y3760	-	Emulex VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E 4x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	3/4
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E 4x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	3/4
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E 4x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	3/4
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	-	4/5
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	-	4/5
-	47C8670	-	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	46C9010	-	N2125 SAS/SATA Hba	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	-	4/5
-	46C8988	-	N2115 SAS/SATA Hba	Half	PCI-E 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	1/1
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-

Networking

-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	42C1780	-	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	49Y4216	-	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCIe 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	95Y3762*	-	Emulex Dual Port 10GbE SFP+ VFA III	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	90Y9314	-	Intel I-350 Embedded Dual Port GbE Activation for IBM System x (FoD)	-	-	-	-	-
-	49Y7970	-	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCIe 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCIe 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCIe 4x	1CPU: 2, 3, 4, 6 ; 2CPU: 1, 2, 3, 4, 6	N	4/5
-	90Y4600	-	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	Y	4/5
-	00Y5624	-	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	00D9676	-	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCIe 4x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5

-	00JY830	-	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	00JY820	-	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	47C9952	-	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
Systems Management								
-	90Y3901	-	Integrated Management Module Advanced Upgrade	-	-	-	-	-
Other I/O								
-	81Y9990*	-	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	PCIe 8x	1CPU: 2, 4, 3, 6 ; 2CPU: 1, 2, 4, 3, 6	N	4/5
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
-	00ML200	-	32GB Enterprise Value USB Memory Key	-	-	-	-	-
-	44T1364	-	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF013	-	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
-	00KF006	-	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF005	-	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF004	-	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF003	-	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF002	-	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	81Y7012*	-	PCI-X interposer conversion kit	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1 (CPU2 installed)	PCIe 3.0 (x8 connector)	-	12	-	x8	N	FH/HL
PCI Slot 2	PCIe 3.0 (x8 connector)	-	12	-	x8	N	FH/FL
PCI Slot 3	PCIe 3.0 (x8 connector)	-	12	-	x4	N	FH/HL
PCI Slot 4	PCIe 3.0 (x16 connector)	-	12	-	x8	N	FH/FL
PCI Slot 5	PCIe 2.0 (x4 connector)	-	12	-	x1	N	FH/HL
PCI Slot 6	PCIe 2.0 (x8 connector)	-	12	-	x4	N	FH/HL

* Lenovo has withdrawn this product from marketing.

System x3300 M4 (7382)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
-	94Y6669	-	750W High Efficiency Platinum AC Power Supply
-	94Y6668	-	550W High Efficiency Platinum AC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55952KX	-	T1.5kVA Tower UPS (200-240VAC)
-	55952AX	-	T1.5kVA Tower UPS (100-125VAC)
-	55951KX	-	T1kVA Tower UPS (200-240VAC)
-	55951AX	-	T1kVA Tower UPS (100-125VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module

-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option (UCO)
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
-	40K5372*	-	Keyboard w/ Integrated Pointing Device USB - US English 103P
-	40K9200	-	2 Button Optical Wheel Mouse - Black - USB
-	40K9584*	-	Preferred Pro Keyboard USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
-	39R6531	-	3M SAS Cable
-	39R6529	-	1M SAS Cable
-	43V6147	-	Single Cable USB Conversion Option (UCO)
Fiber Cables			
-	00KF012	-	30m Mellanox Active IB FDR Optical Fiber Cable
-	00KF011	-	20m Mellanox Active IB FDR Optical Fiber Cable
-	00KF010	-	15m Mellanox Active IB FDR Optical Fiber Cable
-	00KF009	-	10m Mellanox Active IB FDR Optical Fiber Cable
-	00KF008	-	5m Mellanox Active IB FDR Optical Fiber Cable
-	00KF007	-	3m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable

-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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System x3300 M4 (7382)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	Half High LTO Gen 3 SAS Tape Drive	1,2	SAS	-	-
-	39M5636*	-	DDS Gen 6 USB Tape Drive	1,2	USB	-	-
-	44E8895*	-	Half-high LTO Gen 4 SAS Tape Drive	1,2	SAS	-	-
-	46C5399*	-	DDS Generation 5 USB Tape Drive	1,2	USB	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	1,2	SAS	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	1,2	SAS	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-

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System x3500 M4 (7383)

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- At a glance
- Options

Table 1. System x3500 M4 (7383) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7383-A2Y	-	Intel Xeon Processor E5-26xx 4C 1.80GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-B2Y	-	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-C2Y	-	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-C4Y	-	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-D2Y	-	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-EAY	30 June 2014	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-EBY	30 June 2014	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-ECY	30 June 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	5U Tower	2/2 LC	P, H	Y
7383-EDY	30 June 2014	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-F2Y	-	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-G2Y	-	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-H2Y	-	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-J2Y	-	Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y

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Table 1. System x3500 M4 (7383) at-a-glance (continued)

Part number1	Withdrawal date2	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
7383-A2Y	-	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-B2Y	-	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-C2Y	-	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-C4Y	-	Quad port 1Gb	M1115	LFF Hot Swap	0TB/32TB	SATA DVD-ROM	10/9	6/5
7383-D2Y	-	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-EAY	30 June 2014	Quad port 1Gb	M1115	LFF Hot Swap	0TB/32TB	SATA Multiburner	10/9	6/5
7383-EBY	30 June 2014	Quad port 1Gb	M5110 + 512MB flash module	LFF Hot Swap	0TB/32TB	SATA Multiburner	10/9	6/5

7383-ECY	30 June 2014	Quad port 1Gb	M5110 + 512MB flash module	SFF Hot Swap	0TB/51.2 TB	SATA Multiburner	10/9	6/5
7383-EDY	30 June 2014	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA Multiburner	10/9	6/5
7383-F2Y	-	Quad port 1Gb	M5110 + 512MB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-G2Y	-	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-H2Y	-	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-J2Y	-	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5

Notes:

- 1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U. S. orderable part number for 7383-A2Y is 7383-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- 2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
- 3. To upgrade 2.5" x 8 system to accommodate 16 HDDs, select one Additional 8 x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 16 or 24 HDDs(Option 94Y5978)
- 4. To upgrade 2.5" x 8 system to accommodate 24 HDDs, select two Additional 8 x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 16 or 24 HDDs(Option 94Y5978)
- 5. To upgrade 2.5" x 8 system to accommodate 32 HDDs, select two Additional 8 x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 16 or 24 HDDs(Option 94Y5978) and one Additional 8 x .5" Hot-Swap SAS/SATA Upgrade Kit for 32 HDDs(Option 81Y7010)
- 6. TopSeller model.

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	90Y5942*	-	Addl Intel Xeon Processor E5-2603 4C 1.8GHz 10MB 80W Upgrade Kit	-
-	90Y5944*	-	Addl Intel Xeon Processor E5-2609 4C 2.4GHz 10MB 80W Upgrade Kit	-
-	90Y5945*	-	Addl Intel Xeon Processor E5-2620 6C 2.0GHz 15MB 95W Upgrade Kit	-
-	90Y5946*	-	Addl Intel Xeon Processor E5-2630 6C 2.3GHz 15MB 95W Upgrade Kit	-
-	94Y7342*	-	Addl Intel Xeon Processor E5-2637 2C 3.0GHz 5MB 80W Upgrade Kit	-
-	90Y5947*	-	Addl Intel Xeon Processor E5-2640 6C 2.5GHz 15MB 95W Upgrade Kit	-
-	94Y7341*	-	Addl Intel Xeon Processor E5-2643 4C 3.3GHz 10MB 130W Upgrade Kit	-
-	90Y5948*	-	Addl Intel Xeon Processor E5-2650 8C 2.0GHz 20MB 95W Upgrade Kit	-
-	00D4473*	-	Addl Intel Xeon Processor E5-2658 8C 2.1GHz 20MB 95W Upgrade Kit	-
-	90Y5949*	-	Addl Intel Xeon Processor E5-2660 8C 2.2GHz 20MB 95W Upgrade Kit	-
-	94Y7442*	-	Addl Intel Xeon Processor E5-2665 8C 2.4GHz 20MB 115W Upgrade Kit	-
-	90Y5951*	-	Addl Intel Xeon Processor E5-2667 6C 2.9GHz 15MB 130W Upgrade Kit	-
-	90Y5955*	-	Addl Intel Xeon Processor E5-2670 8C 2.6GHz 20MB 115W Upgrade Kit	-
-	90Y5950*	-	Addl Intel Xeon Processor E5-2680 8C 2.7GHz 20MB 130W Upgrade Kit	-
-	94Y7343*	-	Addl Intel Xeon Processor E5-2690 8C 2.9GHz 20MB 135W Upgrade Kit	-
-	90Y5953*	-	Addl Intel Xeon Processor E5-2630L 6C 2.0GHz 15MB 60W Upgrade Kit	-
-	00D4474*	-	Addl Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB 70W Upgrade Kit	-
-	90Y5954*	-	Addl Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB 70W Upgrade Kit	-

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	49Y1403*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 ECC DDR3 1333MHz LP UDIMM
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1406	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1407	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1559	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3178	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1397	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3109	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	00D4968	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3105	-	32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM

Notes:

- The Memory Speed at which the memory actually operates depends on several factors. This includes CPU capability (Maximum memory speed supported 1066MHz, 1333MHz, 1600MHz), DIMM type(s) used (RDIMM/UDIMM/LRDIMM, Single/Dual/Quad Rank), number of DIMMs populated per channel.
- When intermixing different voltage DIMMs, the memories will all operate at the highest common voltage. So when mixing 1.35 DIMMS (which can also run at 1.5V) with 1.5V only DIMMS, all memory in the system will operate at 1.5V.

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y, C2Y, C4Y, D2Y, F2Y	1 x 4GB (1x4GB, 2Rx8, 1.35V) DDR3 1333MHz LP RDIMM
G2Y, H2Y, J2Y	2 x 4GB (1x4GB, 2Rx8, 1.5V) DDR3 1600MHz LP RDIMM
A5Y, B5Y	1 x 4GB (1x4GB, 1Rx4, 1.35V) DDR3 1600MHz LP RDIMM
C5Y, C7Y, D5Y, F5Y, C9	1 x 8GB (1x8GB, 2Rx8, 1.35V) DDR3 1600MHz LP RDIMM
G5Y, G9Y, H5Y, J5Y	2 x 4GB (1x4GB, 2Rx8, 1.5V) DDR3 1866MHz LP RDIMM
GAV	2 X 1GB PC2-3200 CL3 ECC DDR-2 SDRAM RDIMM

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	00AD075	-	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	3â€³34	32
-	00AD085	-	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	3â€³34	32
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€³34	32
-	00AJ300	-	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	3â€³34	32
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€³34	32
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€³34	32
-	81Y9690	-	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9650	-	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9662	-	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
-	90Y8872	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	90Y8908	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
-	90Y8953	-	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	90Y8877	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	81Y9670	-	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	3â€³34	32
-	90Y8913	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
-	90Y8926	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
SAS Hot-Swap 3.5" HDDs						
-	49Y6210	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	3â€³10	8
-	00W1543	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	3â€³10	8
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€³10	8
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€³10	8
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€³10	8
-	00ML213	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	90Y8577	-	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	90Y8572	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	90Y8567	-	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	49Y6102	-	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	49Y6092	-	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€³10	8
SAS Hot-Swap 2.5" Solid State Drives						
-	49Y6139	-	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
-	49Y6134	-	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
-	49Y6195	-	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
SATA Hot-Swap 2.5" HDDs						
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€³34	32
SATA Hot-Swap 3.5" HDDs						

-	49Y6002	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN173	-	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN143	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	00FN113	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€10	8
-	81Y9798	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	81Y9794	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	81Y9790	-	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
-	81Y9786	-	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€10	8
SATA Hot-Swap 2.5" Solid State Drives						
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€34	32
-	41Y8341	-	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€34	32
-	41Y8336	-	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€34	32
-	41Y8331	-	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€34	32
-	00AJ015	-	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00AJ010	-	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00AJ005	-	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00AJ000	-	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00AJ370	-	800GB SATA 2.5" MLC HS Enterprise Value SSD	c	3â€34	32
-	00AJ365	-	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00AJ360	-	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00AJ355	-	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	3â€34	32
-	00FN327	-	480GB SATA 2.5" MLC HS Entry SSD	SFF	3â€34	32
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	3â€34	32
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	3â€34	32
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€34	32
SATA Hot-Swap 3.5" Solid State Drives						
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	-	-	-
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	-	-	-
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	-	-	-
SATA Simple-Swap 3.5" HDDs						
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€10	8
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	81Y9810	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	81Y9806	-	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
-	81Y9802	-	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€10	8
Optical drives						
-	81Y6404	-	HH Multiburner DVD	HH	1,2	2
-	00J5999	-	Hh DVD-Rom	HH	1,2	2
Associated HDD Options						
-	46W9242	-	2.5" Hot Swap SAS/SATA for 16 and 24 HDDs (12G)	-	-	-
-	46W9243	-	2.5" Hot Swap SAS/SATA for 8 and 32 HDDs (12G)	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
1	133mm(5.25in)	HH	Yes	Optical/Tape Drive
10	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
11	63.5mm(2.5in)	SFF	Yes	HDD
12	63.5mm(2.5in)	SFF	Yes	HDD
13	63.5mm(2.5in)	SFF	Yes	HDD
14	63.5mm(2.5in)	SFF	Yes	HDD
15	63.5mm(2.5in)	SFF	Yes	HDD
16	63.5mm(2.5in)	SFF	Yes	HDD
17	63.5mm(2.5in)	SFF	Yes	HDD
18	63.5mm(2.5in)	SFF	Yes	HDD
19	63.5mm(2.5in)	SFF	Yes	HDD
2	133mm(5.25in)	HH	Yes	Optical/Tape Drive
20	63.5mm(2.5in)	SFF	Yes	HDD
21	63.5mm(2.5in)	SFF	Yes	HDD
22	63.5mm(2.5in)	SFF	Yes	HDD
23	63.5mm(2.5in)	SFF	Yes	HDD
24	63.5mm(2.5in)	SFF	Yes	HDD
25	63.5mm(2.5in)	SFF	Yes	HDD
26	63.5mm(2.5in)	SFF	Yes	HDD
27	63.5mm(2.5in)	SFF	Yes	HDD
28	63.5mm(2.5in)	SFF	Yes	HDD
29	63.5mm(2.5in)	SFF	Yes	HDD
3	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
30	63.5mm(2.5in)	SFF	Yes	HDD
31	63.5mm(2.5in)	SFF	Yes	HDD
32	63.5mm(2.5in)	SFF	Yes	HDD
33	63.5mm(2.5in)	SFF	Yes	HDD
34	63.5mm(2.5in)	SFF	Yes	HDD
4	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
5	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
6	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
7	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
8	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
9	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD

* Lenovo has withdrawn this product from marketing.

System x3500 M4 (7383)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1820*	-	Brocade 10Gb CNA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1800*	-	QLogic 10Gb CNA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46M0907	-	6Gb SAS HBA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y4542	-	ServerRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-

-	81Y4559	-	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4508	-	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
-	81Y4546	-	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
-	81Y4544	-	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4484	-	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4448	-	ServeRAID M1115 SAS/SATA Controller	Half	PCIe 8x	2,3	N	2
-	90Y4273	-	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	81Y4478	-	ServeRAID M5120 SAS/SATA Controller	Half	PCIe 8x	1CPU: 2,3,5,6,1 ; 2CPU: 2,3,5,6,1	Y	3
-	81Y4481	-	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	2,3	N	2
-	46M0912*	-	6Gb Performance Optimized HBA	-	PCI-E x8	2,3	N	1
-	90Y4318	-	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y1655	-	Emulex 16Gb FC Single-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	95Y3760	-	Emulex VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	-	6/8
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	-	6/8
-	90Y4373*	-	300GB High IOPS SLC Modular Adapter	Half	PCI-E x8	1CPU: 2,3,4,5,6 ; 2CPU: 2,3,8,7,4,5,6	N	5/7
-	90Y4369*	-	800GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1CPU: 2,3,4,5,6 ; 2CPU: 2,3,8,7,4,5,6	N	5/7
-	90Y4365*	-	600GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1CPU: 2,3,4,5,6 ; 2CPU: 2,3,8,7,4,5,6	N	5/7
-	90Y4361*	-	300GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1CPU: 2,3,4,5,6 ; 2CPU: 2,3,8,7,4,5,6	N	5/7
-	46C9010	-	N2125 SAS/SATA Hba	-	PCI-E x8	1CPU: 2,3,5,6,1 ; 2CPU: 2,3,5,6,1	-	3
-	46C8988	-	N2115 SAS/SATA Hba	-	PCI-E x8	2,3	N	1
-	47C8712	-	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	47C8710	-	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
-	47C8708	-	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
-	47C8706	-	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
-	47C8675	-	N2215 SAS/SATA Hba	-	PCI-E x8	2,3	N	1
-	47C8664	-	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8660	-	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-

-	47C8656	-	ServerRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
-	46C9110	-	ServerRAID M5210 SAS/SATA Controller	Half	PCI-E x8	2,3	N	2
-	47C8670	-	ServerRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8668	-	ServerRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	46C9114	-	ServerRAID M1215 SAS/SATA Controller	-	PCI-E x8	2,3	N	2
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1780	-	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y4216	-	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	95Y3762*	-	Emulex Dual Port 10GbE SFP+ VFA III	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	5/7
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y7970	-	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D8540	-	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D9676	-	Mellanox QSFP to SFP+ adapter	-	-	-	-	-

-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y3520	-	Intel X710 2x10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	-	6/8
-	00JY830	-	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	-	-	-	-	-
-	00JY824	-	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
-	00JY820	-	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	-	-	-	-	-
Systems Management								
-	90Y3901	-	Integrated Management Module Advanced Upgrade	-	-	-	-	-
Other I/O								
-	49Y4218	-	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	81Y7012*	-	PCI-X interposer conversion kit	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
-	00ML200	-	32GB Enterprise Value USB Memory Key	-	-	-	-	-
-	44T1364	-	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF013	-	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
-	00KF006	-	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF005	-	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF004	-	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF003	-	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF002	-	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Intel Quad-port Gbit Ethernet Controller	On Board	0X08	3.3V	5Gb/s	x2	On Board	On Board
PCI Slot 1: dedicated for PCI-X riser card	PCIe 2.0(x8 connector)	0x06	3.3V	5Gb/s	x4	N	Half
PCI Slot 2	PCIe 3.0(x8 connector)	0x1A	3.3V	8Gb/s	x8	N	Half
PCI Slot 3	PCIe 3.0(x8 connector)	0x15	3.3V	8Gb/s	x8	N	Full
PCI Slot 4	PCIe 3.0(x8 connector)	0x10	3.3V	8Gb/s	x4	N	Full
PCI Slot 5	PCIe 3.0(x16 connector)	0x1F	3.3V	8Gb/s	x16	N	Full
PCI Slot 6	PCIe 3.0(x8 connector)	0x0B	3.3V	8Gb/s	x4	N	Full
PCI Slot 7	PCIe 3.0(x16 connector)	0x86	3.3V	8Gb/s	x16	N	Full
PCI Slot 8	PCIe 3.0(x16 connector)	0x8B	3.3V	8Gb/s	x16	N	Full

* Lenovo has withdrawn this product from marketing.

System x3500 M4 (7383)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
-	94Y5974	-	750W High Efficiency Platinum AC Power Supply
-	94Y5973	-	900W High Efficiency Platinum AC Power Supply
-	94Y5975	-	550W High Efficiency Platinum AC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55952KX	-	T1.5kVA Tower UPS (200-240VAC)
-	55952AX	-	T1.5kVA Tower UPS (100-125VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)

-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	81Y7006	-	Tower to Rack Conversion Kit
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	39M2895	-	USB Conversion Option Pack
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	31R3132*	-	IBM 3M Console Switch Cable (USB)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
-	40K9200	-	2 Button Optical Wheel Mouse - Black - USB
-	40K9584*	-	Preferred Pro Keyboard USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
Associated Options			
-	39R6531	-	3M SAS Cable
-	39R6529	-	1M SAS Cable
-	43V6147	-	Single Cable USB Conversion Option (UCO)
-	00D2607	-	SAS cable upgrade kit for Two RAID array (RAID adapter not included)
-	81Y7007	-	Redundant Cooling Upgrade Kit
-	46W9244	-	SAS cable option for Two 12Gb RAID cards
Fiber Cables			
-	00KF012	-	30m Mellanox Active IB FDR Optical Fiber Cable
-	00KF011	-	20m Mellanox Active IB FDR Optical Fiber Cable

-	00KF010	-	15m Mellanox Active IB FDR Optical Fiber Cable
-	00KF009	-	10m Mellanox Active IB FDR Optical Fiber Cable
-	00KF008	-	5m Mellanox Active IB FDR Optical Fiber Cable
-	00KF007	-	3m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
Line Cords			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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System x3500 M4 (7383)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	Half High LTO Gen 3 SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	39M5636*	-	DDS Gen 6 USB Tape Drive	1,2	USB	89mm (5.25in) HH	-
-	44E8895*	-	Half-high LTO Gen 4 SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	46C5399*	-	DDS Generation 5 USB Tape Drive	1,2	USB	89mm (5.25in) HH	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	46C5388*	-	IBM RDX500 Internal USB Bundle	1,2	USB	89mm (5.25in) HH	-
-	46C5387*	-	IBM RDX320 Internal USB Bundle	1,2	USB	89mm (5.25in) HH	-
-	46C5364*	-	IBM RDX160 Internal USB Bundle	1,2	USB	89mm (5.25in) HH	-
-	362550X*	-	IBM RDX 500 GB External USB Drive	-	-	-	-
-	362532X*	-	IBM RDX 320 GB External USB Drive	-	-	-	-
-	362516X*	-	IBM RDX 160 GB External USB Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3500 M4 (7383 E-2600 v2)

Attention:

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- At a glance
- Options

Table 1. System x3500 M4 (7383 E-2600 v2) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7383-A5Y	30 June 2015	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	4GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-B5Y	30 June 2015	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	4GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-C5Y	30 June 2015	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-C7Y	30 June 2015	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-C9Y	30 June 2015	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	Rack	1/2 LC	P, H	Y
7383-D5Y	30 June 2015	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-EGY6	30 June 2015	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-EHY6	30 June 2015	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-EJY6	30 June 2015	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-EKY6	30 June 2015	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-F5Y	30 June 2015	Intel Xeon Processor E5-2640v2 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-G5Y	30 June 2015	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-G9Y	30 June 2015	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	8GB / 768GB	Rack	1/2 LC	P, H	Y
7383-H5Y	30 June 2015	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y
7383-J5Y	30 June 2015	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	1/2	8GB / 768GB	5U Tower	1/2 LC	P, H	Y

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Table 1. System x3500 M4 (7383 E-2600 v2) at-a-glance (continued)

Part number1	Withdrawal date2	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
7383-A5Y	30 June 2015	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-B5Y	30 June 2015	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-C5Y	30 June 2015	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-C7Y	30 June 2015	Quad port 1Gb	M1115	LFF Hot Swap	0TB/32TB	SATA DVD-ROM	10/9	6/5
7383-C9Y	30 June 2015	Quad port 1Gb	M5110 + 1GB flash module	LFF Hot Swap	0TB/32TB	SATA DVD-ROM	10/9	6/5
7383-D5Y	30 June 2015	Quad port 1Gb	M1115	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5

7383-EGY6	30 June 2015	Quad port 1Gb	M1115	LFF Hot Swap	0TB/32TB	SATA Multiburner	10/9	6/5
7383-EHY6	30 June 2015	Quad port 1Gb	M5110	LFF Hot Swap	0TB/32TB	SATA Multiburner	10/9	6/5
7383-EJY6	30 June 2015	Quad port 1Gb	M5110	SFF Hot Swap	0TB/51.2 TB	SATA Multiburner	10/9	6/5
7383-EKY6	30 June 2015	Quad port 1Gb	M5110	SFF Hot Swap	0TB/51.2 TB	SATA Multiburner	10/9	6/5
7383-F5Y	30 June 2015	Quad port 1Gb	M5110 + 512MB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-G5Y	30 June 2015	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-G9Y	30 June 2015	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-H5Y	30 June 2015	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5
7383-J5Y	30 June 2015	Quad port 1Gb	M5110 + 1GB flash module	SFF Hot Swap	0TB/51.2 TB	SATA DVD-ROM	10/9	6/5

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7383-A2Y is 7383-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
3. To upgrade 2.5" x 8 system to accommodate 16 HDDs, select one Additional 8 x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 16 or 24 HDDs(Option 94Y5978)
4. To upgrade 2.5" x 8 system to accommodate 24 HDDs, select two Additional 8 x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 16 or 24 HDDs(Option 94Y5978)
5. To upgrade 2.5" x 8 system to accommodate 32 HDDs, select two Additional 8 x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 16 or 24 HDDs(Option 94Y5978) and one Additional 8 x .5" Hot-Swap SAS/SATA Upgrade Kit for 32 HDDs(Option 81Y7010)
6. TopSeller model.

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System x3500 M4 (7383 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	46W9128	-	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB 80W Kit	-
-	46W9129	-	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB 80W Kit	-
-	46W9130	-	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB 80W Kit	-
-	46W9131	-	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB 80W Kit	-
-	46W9139	-	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB 130W Kit	-
-	46W9132	-	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB 95W Kit	-
-	46W9140	-	Addl Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB 130W Kit	-
-	46W9133	-	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB 95W Kit	-
-	46W9134	-	Addl Intel Xeon Processor E5-2660 v2 10C 2.5GHz 25MB 95W Kit	-
-	46W9141	-	Addl Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB 130W Kit	-
-	46W9135	-	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB 115W Kit	-
-	46W9136	-	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB 115W Kit	-
-	46W9137	-	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB 130W Kit	-
-	46W9126	-	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB 115W Kit	-
-	46W9127	-	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB 130W Kit	-
-	00Y8265	-	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHz 70W	-
-	46W9142	-	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB 60W Kit	-
-	00Y8266	-	Addl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB 1866MHz 70W	-
-	46W9143	-	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB 70W Kit	-

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System x3500 M4 (7383 E-2600 v2)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	00D5012	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
-	00D5016	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
-	00D5024	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5028	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
-	00D5036	-	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5044	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5032	-	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
-	00D5048	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
-	46W0761	-	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM

Notes:

- The Memory Speed at which the memory actually operates depends on several factors.This includes CPU capability (Maximum memory speed supported 1066MHz, 1333MHz, 1600MHz), DIMM type(s) used (RDIMM/UDIMM/LRDIMM, Single/Dual/Quad Rank), number of DIMMs populated per channel.
- When intermixing different voltage DIMMs, the memories will all operate at the highest common voltage.So when mixing 1.35 DIMMS (which can also run at 1.5V) with 1.5V only DIMMS, all memory in the system will operate at 1.5V.

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y, C2Y, C4Y, D2Y, F2Y	1 x 4GB (1x4GB, 2Rx8, 1.35V) DDR3 1333MHz LP RDIMM
G2Y, H2Y, J2Y	2 x 4GB (1x4GB, 2Rx8, 1.5V) DDR3 1600MHz LP RDIMM
A5Y, B5Y	1 x 4GB (1x4GB, 1Rx4, 1.35V) DDR3 1600MHz LP RDIMM
C5Y, C7Y, D5Y, F5Y, C9	1 x 8GB (1x8GB, 2Rx8, 1.35V) DDR3 1600MHz LP RDIMM
G5Y, G9Y, H5Y, J5Y	2 x 4GB (1x4GB, 2Rx8, 1.5V) DDR3 1866MHz LP RDIMM
GAV	2 X 1GB PC2-3200 CL3 ECC DDR-2 SDRAM RDIMM

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System x3500 M4 (7383 E-2600 v2)

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	00AD075	-	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	3â€³34	32
-	00AD085	-	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	3â€³34	32
-	00AJ300	-	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	3â€³34	32
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€³34	32
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	3â€³34	32
-	81Y9690	-	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9650	-	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9662	-	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
-	90Y8872	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	90Y8953	-	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	90Y8877	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	81Y9670	-	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	3â€³34	32
-	90Y8913	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
-	90Y8926	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	3â€³34	32
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	3â€³34	32
SAS Hot-Swap 3.5" HDDs						
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€³10	8
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€³10	8
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€³10	8
-	00ML213	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	90Y8577	-	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	90Y8567	-	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	49Y6102	-	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€³10	8
-	49Y6092	-	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	3â€³10	8
SAS Hot-Swap 2.5" Solid State Drives						
-	49Y6139	-	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
-	49Y6134	-	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	3â€³34	32
SATA Hot-Swap 2.5" HDDs						
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€³34	32
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3â€³34	32
SATA Hot-Swap 3.5" HDDs						
-	49Y6002	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€³10	8
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€³10	8
-	00FN173	-	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00FN143	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€³10	8
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€³10	8

-	00FN113	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€¦10	8
-	81Y9798	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¦10	8
-	81Y9786	-	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¦10	8
SATA Hot-Swap 2.5" Solid State Drives						
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	3â€¦34	32
-	00AJ370	-	800GB SATA 2.5" MLC HS Enterprise Value SSD	c	3â€¦34	32
-	00AJ365	-	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
-	00AJ360	-	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
-	00AJ355	-	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	3â€¦34	32
-	00FN327	-	480GB SATA 2.5" MLC HS Entry SSD	SFF	3â€¦34	32
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	3â€¦34	32
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	3â€¦34	32
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	3â€¦34	32
SATA Hot-Swap 3.5" Solid State Drives						
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	-	-	-
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	-	-	-
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	-	-	-
SATA Simple-Swap 3.5" HDDs						
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¦10	8
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¦10	8
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¦10	8
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¦10	8
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¦10	8
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¦10	8
-	81Y9806	-	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¦10	8
-	81Y9802	-	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¦10	8
Optical drives						
-	81Y6404	-	HH Multiburner DVD	HH	1,2	2
-	00J5999	-	Hh DVD-Rom	HH	1,2	2
Associated HDD Options						
-	46W9242	-	2.5" Hot Swap SAS/SATA for 16 and 24 HDDs (12G)	-	-	-
-	46W9243	-	2.5" Hot Swap SAS/SATA for 8 and 32 HDDs (12G)	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
1	133mm(5.25in)	HH	Yes	Optical/Tape Drive
10	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
11	63.5mm(2.5in)	SFF	Yes	HDD
12	63.5mm(2.5in)	SFF	Yes	HDD
13	63.5mm(2.5in)	SFF	Yes	HDD
14	63.5mm(2.5in)	SFF	Yes	HDD
15	63.5mm(2.5in)	SFF	Yes	HDD
16	63.5mm(2.5in)	SFF	Yes	HDD
17	63.5mm(2.5in)	SFF	Yes	HDD

18	63.5mm(2.5in)	SFF	Yes	HDD
19	63.5mm(2.5in)	SFF	Yes	HDD
2	133mm(5.25in)	HH	Yes	Optical/Tape Drive
20	63.5mm(2.5in)	SFF	Yes	HDD
21	63.5mm(2.5in)	SFF	Yes	HDD
22	63.5mm(2.5in)	SFF	Yes	HDD
23	63.5mm(2.5in)	SFF	Yes	HDD
24	63.5mm(2.5in)	SFF	Yes	HDD
25	63.5mm(2.5in)	SFF	Yes	HDD
26	63.5mm(2.5in)	SFF	Yes	HDD
27	63.5mm(2.5in)	SFF	Yes	HDD
28	63.5mm(2.5in)	SFF	Yes	HDD
29	63.5mm(2.5in)	SFF	Yes	HDD
3	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
30	63.5mm(2.5in)	SFF	Yes	HDD
31	63.5mm(2.5in)	SFF	Yes	HDD
32	63.5mm(2.5in)	SFF	Yes	HDD
33	63.5mm(2.5in)	SFF	Yes	HDD
34	63.5mm(2.5in)	SFF	Yes	HDD
4	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
5	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
6	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
7	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
8	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD
9	89mm(3.5in)/63.5mm(2.5in)	LFF/SFF	Yes	HDD

* Lenovo has withdrawn this product from marketing.

System x3500 M4 (7383 E-2600 v2)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1820*	-	Brocade 10Gb CNA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1800*	-	QLogic 10Gb CNA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	46M0907	-	6Gb SAS HBA	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y4542	-	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4559	-	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4508	-	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
-	81Y4546	-	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
-	81Y4544	-	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4484	-	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4448	-	ServeRAID M1115 SAS/SATA Controller	Half	PCIe 8x	2,3	N	2
-	90Y4273	-	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	81Y4478	-	ServeRAID M5120 SAS/SATA Controller	Half	PCIe 8x	1CPU: 2,3,5,6,1; 2CPU: 2,3,5,6,1	Y	3
-	81Y4481	-	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	2,3	N	2
-	46M0912*	-	6Gb Performance Optimized HBA	-	PCI-E x8	2,3	N	1
-	90Y4318	-	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8

-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y1655	-	Emulex 16Gb FC Single-port HBA	-	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	-	6/8
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	-	6/8
-	46C9010	-	N2125 SAS/SATA Hba	-	PCI-E x8	1CPU: 2,3,5,6,1 ; 2CPU: 2,3,5,6,1	-	3
-	46C8988	-	N2115 SAS/SATA Hba	-	PCI-E x8	2,3	N	1
-	47C8712	-	ServerRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	47C8710	-	ServerRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
-	47C8708	-	ServerRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
-	47C8706	-	ServerRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
-	47C8675	-	N2215 SAS/SATA Hba	-	PCI-E x8	2,3	N	1
-	47C8664	-	ServerRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8660	-	ServerRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8656	-	ServerRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
-	46C9110	-	ServerRAID M5210 SAS/SATA Controller	Half	PCI-E x8	2,3	N	2
-	47C8670	-	ServerRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8668	-	ServerRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	46C9114	-	ServerRAID M1215 SAS/SATA Controller	-	PCI-E x8	2,3	N	2
-	00AE916	-	N2226 SAS/SATA Hba	Half	PCI-E x8	1CPU: 5 ; 2CPU: 5,7,8	-	1/3
-	00AE912	-	N2225 SAS/SATA Hba	Half	PCI-E x8	1CPU: 2,3,5,6,1 ; 2CPU: 2,3,5,6,1	-	3
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1780	-	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8

-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	49Y7970	-	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D8540	-	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00D9676	-	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCIe 4x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	N	6/8
-	81Y3520	-	Intel X710 2x10GbE SFP+ Adapter	Half	PCIe 8x	1CPU: 2,3,4,5,6,1; 2CPU: 2,3,8,7,4,5,6,1	-	6/8
-	00JY830	-	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	-	-	-	-	-
-	00JY824	-	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
-	00JY820	-	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	-	-	-	-	-
Other I/O								
-	81Y7012*	-	PCI-X interposer conversion kit	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
-	00ML200	-	32GB Enterprise Value USB Memory Key	-	-	-	-	-
-	44T1364	-	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF013	-	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
-	00KF006	-	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF005	-	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF004	-	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF003	-	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF002	-	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Intel Quad-port Gbit Ethernet Controller	On Board	0X08	3.3V	5Gb/s	x2	On Board	On Board

PCI Slot 1: dedicated for PCI- X riser card	PCIe 2.0(x8 connector)	0x06	3.3V	5Gb/s	x4	N	Half
PCI Slot 2	PCIe 3.0(x8 connector)	0x1A	3.3V	8Gb/s	x8	N	Half
PCI Slot 3	PCIe 3.0(x8 connector)	0x15	3.3V	8Gb/s	x8	N	Full
PCI Slot 4	PCIe 3.0(x8 connector)	0x10	3.3V	8Gb/s	x4	N	Full
PCI Slot 5	PCIe 3.0(x16 connector)	0x1F	3.3V	8Gb/s	x16	N	Full
PCI Slot 6	PCIe 3.0(x8 connector)	0x0B	3.3V	8Gb/s	x4	N	Full
PCI Slot 7	PCIe 3.0(x16 connector)	0x86	3.3V	8Gb/s	x16	N	Full
PCI Slot 8	PCIe 3.0(x16 connector)	0x8B	3.3V	8Gb/s	x16	N	Full

* Lenovo has withdrawn this product from marketing.

System x3500 M4 (7383 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
-	94Y5974	-	750W High Efficiency Platinum AC Power Supply
-	94Y5973	-	900W High Efficiency Platinum AC Power Supply
-	94Y5975	-	550W High Efficiency Platinum AC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55952KX	-	T1.5kVA Tower UPS (200-240VAC)
-	55952AX	-	T1.5kVA Tower UPS (100-125VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)

-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	81Y7006	-	Tower to Rack Conversion Kit
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	39M2895	-	USB Conversion Option Pack
-	39M2894*	-	Virtual Media Conversion Option
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	31R3132*	-	IBM 3M Console Switch Cable (USB)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
-	40K9200	-	2 Button Optical Wheel Mouse - Black - USB
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
Associated Options			
-	43V6147	-	Single Cable USB Conversion Option (UCO)
-	00D2607	-	SAS cable upgrade kit for Two RAID array (RAID adapter not included)
-	46W9244	-	SAS cable option for Two 12Gb RAID cards
Fiber Cables			
-	00KF012	-	30m Mellanox Active IB FDR Optical Fiber Cable
-	00KF011	-	20m Mellanox Active IB FDR Optical Fiber Cable
-	00KF010	-	15m Mellanox Active IB FDR Optical Fiber Cable
-	00KF009	-	10m Mellanox Active IB FDR Optical Fiber Cable
-	00KF008	-	5m Mellanox Active IB FDR Optical Fiber Cable

-	00KF007	-	3m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
Line Cords			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3500 M4 (7383 E-2600 v2)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	Half High LTO Gen 3 SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	39M5636*	-	DDS Gen 6 USB Tape Drive	1,2	USB	89mm (5.25in) HH	-
-	44E8895*	-	Half-high LTO Gen 4 SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	46C5399*	-	DDS Generation 5 USB Tape Drive	1,2	USB	89mm (5.25in) HH	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
-	362550X*	-	IBM RDX 500 GB External USB Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3500 M5 (5464)

Attention:

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- At a glance
- Options

Table 1. System x3500 M5 (5464) at-a-glance

Part number ¹	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord) ²	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
5464-A2Y	-	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	1/2	8GB / 768GB	Tower	1/2 LC	P,H	Y
5464-B2Y	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 768GB	Tower	1/2 LC	P,H	Y
5464-C2Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-C3Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache1866MHz 85W	1/2	16GB / 768GB	5URACK	1/2 LC	P,H	Y
5464-C4Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-D2Y	-	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-EAY ⁴	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 768GB	Tower	1/2 LC	P,H	Y
5464-EBY ⁴	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-ECY ⁴	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-EDY ⁴	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	2/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-EEY ⁴	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	2/2	32GB / 768GB	Tower	1/2 LC	P,H	Y
5464-F2Y	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-G2Y	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-G3Y	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 768GB	5U RACK	1/2 LC	P,H	Y
5464-H2Y	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133 MHz 120W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-J2Y	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-NAY	-	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	1/2	8GB / 768GB	Tower	1/2 LC	P,H	Y
5464-NBY	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 768GB	Tower	1/2 LC	P,H	Y
5464-NCY	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-NDY	-	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-NEY	-	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y
5464-NFY	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 768GB	Tower	1/2 LC	P,H	Y

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Table 1. System x3500 M5 (5464) at-a-glance (continued)

Part number ¹	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)

5464-A2Y	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-B2Y	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-C2Y	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-C3Y	-	Quad port 1Gb	M1215	LFF Hot Swap	0TB / 36TB	SATA DVD-ROM	8/7	7/6
5464-C4Y	-	Quad port 1Gb	M1215	LFF Hot Swap	0TB / 36TB	SATA DVD-ROM	8/7	7/6
5464-D2Y	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-EAY4	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	MultiBurner DVD	10/9	7/6
5464-EBY4	-	Quad port 1Gb	M5210	LFF Hot Swap	0TB / 36TB	MultiBurner DVD	8/7	7/6
5464-ECY4	-	Quad port 1Gb	M5210	SFF Hot Swap	0TB / 9.6TB	MultiBurner DVD	10/9	7/6
5464-EDY4	-	Quad port 1Gb	M5210 + 2GB flash module	LFF Hot Swap	0TB / 36TB	MultiBurner DVD	8/7	7/6
5464-EEY4	-	Quad port 1Gb	M5210 + 2GB flash module	SFF Hot Swap	0TB / 9.6TB	MultiBurner DVD	10/9	7/6
5464-F2Y	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-G2Y	-	Quad port 1Gb	M5210 + 1GB flash module	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-G3Y	-	Quad port 1Gb	M5210 + 1GB flash module	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-H2Y	-	Quad port 1Gb	M5210 + 2GB flash module	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-J2Y	-	Quad port 1Gb	M5210 + 2GB flash module	SFF Hot Swap	0TB / 9.6TB	SATA DVD-ROM	10/9	7/6
5464-NAY	-	Quad port 1Gb	M1215	LFF Hot Swap	0TB / 36TB	Optional	8/8	7/6
5464-NBY	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	Optional	10/10	7/6
5464-NCY	-	Quad port 1Gb	M1215	SFF Hot Swap	0TB / 9.6TB	Optional	10/10	7/6
5464-NDY	-	Quad port 1Gb	M5210	LFF Hot Swap	0TB / 36TB	Optional	8/8	7/6
5464-NEY	-	Quad port 1Gb	M5210	SFF Hot Swap	0TB / 9.6TB	Optional	10/10	7/6
5464-NFY	-	Quad port 1Gb	M5210	SFF Hot Swap	0TB / 9.6TB	Optional	10/10	7/6

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5464-A2Y is 5464-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
4. TopSeller model.

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System x3500 M5 (5464)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00AL545	-	A5C8	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	A2Y
00AL546	-	A5C9	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	B2Y
00AL547	-	A5CA	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	C2Y, C3Y, C4Y
00AL548	-	A5CB	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	D2Y
00AL549	-	A5CC	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	-
00AL550	-	A5CD	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	G2Y, G3Y
00AL551	-	A5CE	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	H2Y
00AL552	-	A5CF	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	J2Y
00KG031	-	ARYU	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	-
00KG032	-	ARYV	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	-
00KG033	-	ARYW	Intel Xeon Processor E5-2699 v3 18C 2.8GHz 45MB Cache 2133MHz 145W	-
00KG049	-	ARZK	Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	-
00AL553	-	A5CG	Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB Cache 2133MHz 65W	-
00MU321	-	ASLU	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	-
00MU322	-	ASLV	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	-
00MU323	-	ASLW	Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB Cache 1866MHz 105W	-
Additional processor				
00KG034	00KG038	ARYX	Addl Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB 2133MHz 135W	-
00KG035	00KG039	ARYY	Addl Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB 2133MHz 145W	-
00KG036	00KG040	ARYZ	Addl Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB 2133MHz 145W	-
00KG050	00KG052	ARZL	Addl Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB 2133MHz 55W	-
81Y7104	81Y7113	A5MP	Addl Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB 1600MHz 85W	-
81Y7105	81Y7114	A5MQ	Addl Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB 1600MHz 85W	-
81Y7106	81Y7115	A5MR	Addl Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB 1866MHz 85W	-
81Y7107	81Y7116	A5MS	Addl Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB 1866MHz 85W	-
81Y7108	81Y7117	A5MT	Addl Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB 1866MHz 90W	-
81Y7109	81Y7118	A5MU	Addl Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB 2133MHz 105W	-
81Y7110	81Y7119	A5MV	Addl Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB 2133MHz 120W	-
81Y7111	81Y7120	A5MW	Addl Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB 2133MHz 120W	-
00MU324	00MU330	ASLX	Addl Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB 2133MHz 105W	-
00MU325	00MU331	ASLY	Addl Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB 2133MHz 135W	-
00MU326	00MU332	ASLZ	Addl Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB 1866MHz 105W	-
81Y7112	81Y7121	A5MX	Addl Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB 2133MHz 65W	-
00MW011	00MW024	ASU7	Addl Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB 2133MHz 135W	-
00MW012	00MW025	ASU8	Addl Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB 2133MHz 120W	-
00MW013	00MW026	ASU9	Addl Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB 2133MHz 120W	-
00MW014	00MW027	ASUA	Addl Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB 2133MHz 120W	-
00MW015	00MW028	ASUB	Addl Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB 2133MHz 135W	-
00MW016	00MW029	ASUC	Addl Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB 2133MHz 135W	-
00MW017	00MW030	ASUD	Addl Intel Xeon Processor E5-2608L v3 6C 2.0GHz 15MB 1866MHz 52W	-
00MW018	00MW031	ASUE	Addl Intel Xeon Processor E5-2618L v3 8C 2.3GHz 20MB 1866MHz 75W	-
00MW019	00MW032	ASUF	Addl Intel Xeon Processor E5-2628L v3 10C 2.0GHz 25MB 1866MHz 75W	-

00MW020	00MW033	ASUG	Addl Intel Xeon Processor E5-2648L v3 12C 1.8GHz 30MB 2133MHz 75W	-
00MW021	00MW034	ASUH	Addl Intel Xeon Processor E5-2658 v3 12C 2.2GHz 30MB 2133MHz 105W	-

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System x3500 M5 (5464)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
TruDDR4 Memory			
46W0783	46W0784	A5B6	4GB TruDDR4 Memory (1Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0787	46W0788	A5B5	8GB TruDDR4 Memory (1Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0791	46W0792	A5B8	8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0795	46W0796	A5B7	16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0799	46W0800	A5B9	32GB TruDDR4 Memory (4Rx4, 1.2V) PC417000 CL15 2133MHz LP LRDIMM
95Y4811	95Y4812	A5UK	64GB TruDDR4 Memory (4Rx4,1.2V) PC4-17000 CL15 2133MHz LP LRDIMM
95Y4807	95Y4808	A5UJ	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y	8GB (1Rx4, 1.2V) PC4-17000 CL15 ECC DDR4 2133MHz LP RDIMM
C2Y, C4Y, C3Y, D2Y, G2Y, G3Y, H2Y, J2Y	16GB (2Rx4, 1.2V) PC4-17000 CL15 ECC DDR4 2133MHz LP RDIMM

Table 2. DIMM Install Order (Independent Mode)

CPU	Slot
One CPU	1, 4, 9, 12, 2, 5, 8, 11, 3, 6, 7, 10
Two CPU	1, 13, 4, 16, 9, 21, 12, 24, 2, 14, 5, 17, 8, 20, 11, 23, 3, 15, 6, 18, 7, 19, 10, 22

Table 3. DIMM Install Order (Mirror Mode)

CPU	Slot
One CPU	1, 4 → 9, 12 → 2, 5 → 8, 11 → 7, 10 → 3, 6
Two CPU	1, 4 → 13, 16 → 9, 12 → 21, 24 → 2, 5 → 14, 17 → 8, 11 → 20, 23 → 19, 22 → 7, 10 → 15, 18 → 3, 6

Table 4. DIMM Install Order (Sparing Mode)

CPU	Slot
One CPU	1, 2 → 4, 5 → 8, 9 → 11, 12 → 7, 10 → 3, 6
Two CPU	1, 2 → 13, 14 → 4, 5 → 16, 17 → 8, 9 → 20, 21 → 11, 12 → 23, 24 → 7, 10 → 19, 22 → 3, 6 → 15, 18

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System x3500 M5 (5464)

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• At a glance		• Options				
Processor Memory HDD I/O Pwr Acc Tape						
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AJ073	00AJ071	A4TN	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00AJ083	00AJ081	A4TR	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00AJ088	00AJ086	A4TU	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	3â€³34	32
00AJ093	00AJ091	A4TM	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00AJ098	00AJ096	A4TL	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00AJ123	00AJ121	A4TT	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	3â€³34	32
00AJ148	00AJ146	A4TP	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00AJ128	00AJ126	A4TS	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00NA223	-	ASBB	300GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	3â€³34	32
00NA233	-	ASBD	600GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	3â€³34	32
00NA243	-	ASBF	600GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	3â€³34	32
00NA253	-	ASBH	900GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	3â€³34	32
00NA263	-	ASBK	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	3â€³34	32
00NA273	00NA271	ASBM	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	3â€³34	32
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	3â€³34	32
SAS Hot-Swap 3.5" HDDs						
00FN190	00FN188	A5VP	2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³14	12
00FN210	00FN208	A5VQ	4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³14	12
00FN230	00FN228	A5VR	6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	3â€³14	12
90Y8569	-	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	3â€³14	12
00WG677	00WG675	AT87	300GB 15K 12Gbps SAS 3.5" G2HS HDD	LFF	3â€³14	12
00WG682	00WG680	AT88	600GB 15K 12Gbps SAS 3.5" G2HS HDD	LFF	3â€³14	12
SAS Hot-Swap 2.5" Solid State Drives						
00AJ219	00AJ217	A4UC	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
00FN381	-	AS7C	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
00FN391	-	AS7E	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
00FN401	-	AS7G	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
00FN411	-	AS7J	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
-	00AJ222*	-	1.6TB SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
00AJ209	00AJ207	A4UA	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
00AJ214	00AJ212	A4UB	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	3â€³34	32
SATA Hot-Swap 2.5" HDDs						
00AJ138	00AJ136	A4TW	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	3â€³34	32
00AJ143	00AJ141	A4TX	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	3â€³34	32
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	3â€³34	32
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	3â€³34	32
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	SFF	3â€³34	32

SATA Hot-Swap 3.5" HDDs						
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¸14	12
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¸14	12
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¸14	12
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¸8	6
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€¸14	12
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€¸14	12
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€¸14	12
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€¸14	12
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	3â€¸14	12
81Y9788	-	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¸14	12
81Y9792	-	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	3â€¸14	12
SATA Hot-Swap 2.5" Solid State Drives						
00AJ163	-	A4U4	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	3â€¸34	32
00AJ407	00AJ405	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	3â€¸34	32
-	00FN347	-	960GB SATA 2.5" MLC G3HS Entry SSD	SFF	3â€¸34	32
00AJ158	00AJ156	A4U3	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	3â€¸34	32
00AJ168	00AJ166	A4U5	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	3â€¸34	32
00AJ397	00AJ395	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	3â€¸34	32
00AJ402	00AJ400	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	3â€¸34	32
00AJ412	00AJ410	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	3â€¸34	32
-	00FN278	-	S3500 1.6TB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	3â€¸34	32
00AJ173	00AJ171	A4U6	S3500 120GB Enterprise Value SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00AJ178	00AJ176	A4U7	S3500 240GB Enterprise Value SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00AJ183	00AJ181	A4U8	S3500 480GB Enterprise Value SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00AJ188	00AJ186	A4U9	S3500 800GB Enterprise Value SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	3â€¸34	32
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	3â€¸34	32
-	00FN288*	-	S3500 1.6TB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
SATA Hot-Swap 3.5" Solid State Drives						
-	00AJ480*	-	S3700 200GB SATA 3.5" MLC HS Enterprise SSD	LFF	3â€¸14	12
00AJ487	00AJ485	A56H	S3700 400GB SATA 3.5" MLC HS Enterprise SSD	LFF	3â€¸14	12
00AJ492	00AJ490	A56J	S3700 800GB SATA 3.5" MLC HS Enterprise SSD	SFF	3â€¸34	32
-	00AJ450*	-	800GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	3â€¸14	12
-	00AJ440*	-	240GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	3â€¸14	12
00AJ437	00AJ435	A57F	120GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	3â€¸14	12
00AJ447	00AJ445	A57H	480GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	3â€¸14	12
00YC422	00YC420	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	3â€¸14	12
-	00AJ475*	-	S3500 800GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ470*	-	S3500 480GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ465*	-	S3500 240GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ460*	-	S3500 120GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
SATA Simple-Swap 2.5" HDDs						
-	00NA536	-	2TB 7.2K 6Gbps NL SATA 2.5 G3SS 512e HDD	-	-	-
-	00NA622	-	1TB 7.2K 6Gbps NL SATA 2.5" G3SS HDD	-	-	-
SATA Simple-Swap 3.5" HDDs						
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¸8	6
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¸8	6
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¸8	6
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¸8	6
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¸8	6
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¸8	6
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	3â€¸8	6
81Y9804	-	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¸8	12
81Y9808	-	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	3â€¸8	6
Enterprise Capacity MLC Solid State Drives						
00NA673	00NA671	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	3â€¸34	32
SAS Hot-Swap 3.5" SED						

-	00FN258*	-	6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€14	12
-	00FN248*	-	4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€14	12
-	00FN238*	-	2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	3â€14	12
SAS Hot-Swap 2.5" SED						
00NA293	-	ASBR	600GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	3â€34	32
00NA303	-	ASBT	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	3â€34	32
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	3â€34	32
00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	3â€34	32
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	3â€34	32
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	SFF	3â€34	32
Optical drives						
43W8265	81Y6404	4155	HH Multiburner DVD	HH	1.2	2
43W8264	00J5999	4154	Hh DVD-Rom	HH	1.2	2
Associated HDD Options						
00AL418	00AL544	A5D4	System x3500 M5 2.5" Hot Swap SAS	-	-	-
00AL419	00AL540	A5N5	System x3500 M5 2.5" Hot Swap SAS 8-16	-	-	-
00AL420	00AL542	A5D5	System x3500 M5 3.5" Hot Swap SAS	-	-	-
00AL421	00AL543	A5N6	System x3500 M5 3.5" Hard Drive Cage Asm	-	-	-
00AL524	00AL541	A5DB	System x3500 M5 Cable HD Power/Signal for Backplane 3 and 4	-	-	-
-	00KG037	-	8x 2.5" Hot-Swap SAS/SATA Upgrade Kit for 22 HDDs (Inter mix)	-	-	-
External storage expansion units						
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
5.25" Optical / Tape Drive				
1	5.25"	HH	Y	Optical / Tape drive
2	5.25"	HH	Y	Optical / Tape drive
3.5" HDD / 2.5" HDD				
10	3.5" or 2.5"	LFF / SFF	Y	HDD
11	3.5" or 2.5"	LFF / SFF	Y	HDD
12	3.5" or 2.5"	LFF / SFF	Y	HDD
13	3.5" or 2.5"	LFF / SFF	Y	HDD
14	3.5" or 2.5"	LFF / SFF	Y	HDD
3	3.5" or 2.5"	LFF / SFF	Y	HDD
4	3.5" or 2.5"	LFF / SFF	Y	HDD
5	3.5" or 2.5"	LFF / SFF	Y	HDD
6	3.5" or 2.5"	LFF / SFF	Y	HDD
7	3.5" or 2.5"	LFF / SFF	Y	HDD
8	3.5" or 2.5"	LFF / SFF	Y	HDD
9	3.5" or 2.5"	LFF / SFF	Y	HDD
2.5" HDD				
15	2.5"	SFF	Y	HDD
16	2.5"	SFF	Y	HDD
17	2.5"	SFF	Y	HDD
18	2.5"	SFF	Y	HDD
19	2.5"	SFF	Y	HDD
20	2.5"	SFF	Y	HDD
21	2.5"	SFF	Y	HDD
22	2.5"	SFF	Y	HDD
23	2.5"	SFF	Y	HDD
24	2.5"	SFF	Y	HDD
25	2.5"	SFF	Y	HDD
26	2.5"	SFF	Y	HDD

27	2.5"	SFF	Y	HDD
28	2.5"	SFF	Y	HDD
29	2.5"	SFF	Y	HDD
30	2.5"	SFF	Y	HDD
31	2.5"	SFF	Y	HDD
32	2.5"	SFF	Y	HDD
33	2.5"	SFF	Y	HDD
34	2.5"	SFF	Y	HDD

* Lenovo has withdrawn this product from marketing.

System x3500 M5 (5464)

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Processor Memory HDD I/O Pwr Acc Tape

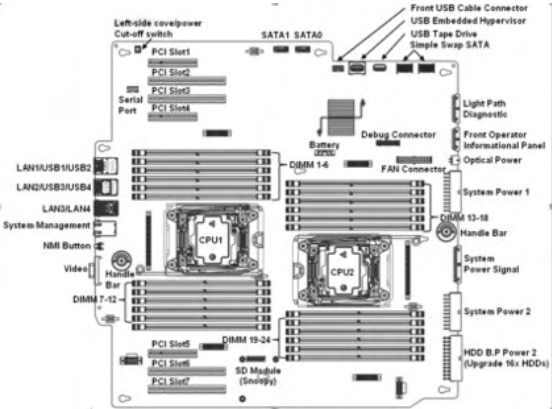
SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCI-E x8	1CPU:1,3,4 2CPU: 1,5,6,3,7,4	N	4/7
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x8	1CPU:1,3,4 2CPU: 1,5,6,3,7,4	N	4/7
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCI-E x8	1CPU: 1,2 2CPU: 1,2	N	2
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCI-E x8	1CPU: 1,2. 2CPU: 1, 2	N	2
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00AE917	00AE916	A5M1	N2226 SAS/SATA Hba	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCI-E x8	1CPU: 1,2 2CPU: 1,2	N	2

47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE937	00AE938	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCI-E x8	1CPU: 1,2,3,4 2CPU: 2, 3, 4, 5	N	3
00ML702	-	AS2V	Blank SD Media for System x	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
Networking								
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCle x4	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y7963	-	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
49Y7973	-	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCle x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
47C9978	-	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Half	PCle x4	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY826	-	AS3M	Emulex VFA5 2x10 GbE SFP+ Integrated Adapter	Half	PCI-E x8	1CPU: 3,4 2CPU: 3, 4, 5, 6, 7	N	1
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
-	47C9952	-	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCI-E x8	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCle x4	1CPU:1,2,3,4 2CPU: 1,2,5,6,3,7,4	N	4/7
Video Adapters								
90Y2372	-	A3YV	NVIDIA Quadro K6000	Full	PCI-E x16	1CPU:3 2CPU: 3, 6.	N	2
90Y2409	-	A5FG	NVIDIA Tesla K40c	Full	PCI-E x16	1CPU:3 2CPU: 3, 6.	N	2
Other I/O								

46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00ML202	-	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00KC329	-	ARZ0	System x3500 M5 COM Port Kit	-	-	-	-	-
00MP054	-	ASN6	USB Memory Key for VMware ESXi 5.1 Update 2	-	-	-	-	-

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Figure 1. x3500 M5 Slots



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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
BCM 5719	On Board	-	3.3V	5Gb/s	x4	On Board	On Board
PCI Slot 1	PCIe 3.0 (x8 connector)	-	3.3V	8Gb/s	x8	N	Half Length
PCI Slot 2	PCIe 3.0 (x16 connector)	-	3.3V	8Gb/s	x16	N	Full Length
PCI Slot 3	PCIe 3.0 (x16 connector)	-	3.3V	8Gb/s	x16	N	Full Length
PCI Slot 4	PCIe 3.0 (x8 connector)	-	3.3V	8Gb/s	x8	N	Half Length
PCI Slot 5	PCIe 3.0 (x8 connector)	-	3.3V	8Gb/s	x8	N	Half Length
PCI Slot 6	PCIe 3.0 (x16 connector)	-	3.3V	8Gb/s	x16	N	Full Length
PCI Slot 7	PCIe 3.0 (x16 connector)	-	3.3V	8Gb/s	x16	N	Full Length

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Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
00AL430	00AL533	A5MY	System x 550W High Efficiency Platinum AC Power Supply
00AL431	00AL534	A5MZ	System x 750W High Efficiency Platinum AC Power Supply
00AL432	00AL536	A5N0	System x 900W High Efficiency Platinum AC Power Supply
00AL532	00AL535	A5N1	System x 750W High Efficiency Titanium AC Power Supply
00AL556	-	A5CH	System x 550W High Efficiency Platinum AC Fixed Power Supply
00MW022	00MW035	ASUJ	System x 1500W High Efficiency Platinum AC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55952KX	-	T1.5kVA Tower UPS (200-240VAC)
-	55952AX	-	T1.5kVA Tower UPS (100-125VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Rack and rack Options			

39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	-	A1ML	Integrated Management Module Advanced Upgrade
00AL427	00AL538	A5N4	System x3500 M5 Tower to Rack Conversion Kit
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Keyboard and Mouse			
40K9491	40K9200	8912	2 Button Optical Wheel Mouse - Black - USB
00AM640	00AM600	A4XJ	Pref. Pro Keyboard USB - US English 103P RoHS v2
00AM653	-	A4XX	Pref. Pro Keyboard USB - French Canadian 445 Multiling. RoHS v2
00AM654	-	A4XY	Pref. Pro Keyboard USB - French Canadian 058 French RoHS v2
46W6682	-	A50G	Keyboard w/ Int. Pointing Device USB - US Eng 103P RoHS v2
46W6690	-	A50Q	Keyboard w/ Int. Pointing Device USB - Fr/Canada 445 RoHS v2
00AL422	-	A5N3	System x3500 M5 Lightpath Upgrade Kit
00AM647	-	A4XR	Pref. Pro Keyboard USB - Chinese/US 467 RoHS v2
00AM678	-	A4YN	Pref. Pro Keyboard USB - US Euro 103P RoHS v2
46W6710	-	A51A	Keyboard w/ Int. Pointing Device USB - US Euro 103P RoHS v2
47C8820	-	A47G	Super Cap Cable 425mm for ServRAID M5200 Series Flash
Associated Options			
39Y8072	-	3757	Single Cable USB Conversion Option (UCO)
00AK140	00AK142	A4X4	UM KVM Module VGA+SD Dual RJ45
00AL415	00AL539	A5N2	System x3500 M5 SAS HD Cable(950MM)
00AL423	00AL537	A5D6	System x3500 M5 Redundant Cooling Kit
00KC331	00KC334	ARZ2	System x3500 M5 Cable Management Kit
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
Rack Power Cables			
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
46C7466	-	6400	2.8m, 13A/125-10A/250V, C13 to IEC 320-C14 Rack Power Cable
46C7467	-	6583	4.3m, 13A/125-10A/250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
46C7457	-	6401	2.8m, 13A/120V, C13 to NEMA 5-15P (US) Line Cord
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3500 M5 (5464)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
46C5376	-	5708	RDX 320GB Cartridge	N/A	N/A	N/A	-
46C5378	-	5709	RDX 500GB Cartridge	N/A	N/A	N/A	-
49Y9902	49Y9898	5345	Half High LTO Gen 5 Internal SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
81Y3648	-	A1VL	RDX 1TB Cartridge	N/A	N/A	N/A	-
00D8922	00D8924	A3S3	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	1,2	SAS	89mm (5.25in) HH	-
00D2789	-	A2U7	RDX 3 Internal USB Drive	1,2	USB	89mm (5.25in) HH	-
00NA024	-	AS24	Ultrium 6 Data Cartridges 5-Pack	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3530 M4 (7160)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. System x3530 M4 (7160) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)3	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7160-A2Y	-	Intel Xeon Processor E5-2403 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	4GB / 384GB	Rack (1U)	1/1 LC	NA	Y
7160-B2Y	-	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	4GB / 384GB	Rack (1U)	1/1 LC	H	Y
7160-C2Y	-	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/1 LC	H	Y
7160-D2Y	-	Intel Xeon Processor E5-2430 6C 2.2GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-EAY5	31 December 2014	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-EBY5	31 December 2014	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-ECY5	30 June 2014	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-G2Y	-	Intel Xeon Processor E5-2450 8C 2.1GHz 20MB Cache 1600MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-H2Y	-	Intel Xeon Processor E5-2470 8C 2.3GHz 20MB Cache 1600MHz 95W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-J2Y	-	Intel Xeon Processor E5-2450L 8C 1.8GHz 20MB Cache 1600MHz 70W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-F2Y	-	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-A3Y	30 June 2015	Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-A5Y	30 June 2015	Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-A7Y	30 June 2015	Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-B3Y	30 June 2015	Intel Xeon Processor E5-2407 v2 10C 2.4GHz 25MB Cache 1600MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-B5Y	30 June 2015	Intel Xeon Processor E5-2407 v2 10C 2.4GHz 25MB Cache 1600MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-B7Y	30 June 2015	Intel Xeon Processor E5-2407 v2 10C 2.4GHz 25MB Cache 1600MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-C3Y	30 June 2015	Intel Xeon Processor E5-2420 v2 6C 2.2GHz 15MB Cache 1600MHz 80W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-EDY5	-	Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-EEY5	-	Intel Xeon Processor E5-2420 v2 6C 2.2GHz 15MB Cache 1600MHz 80W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-EFY5	-	Intel Xeon Processor E5-2440 v2 8C 1.9GHz 20MB Cache 1600MHz 95W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-F3Y	30 June 2015	Intel Xeon Processor E5-2440 v2 8C 1.9GHz 20MB Cache 1600MHz 95W	1/2	4GB / 384GB	Rack (1U)	1/2 LC	P, H	Y
7160-G3Y	30 June 2015	Intel Xeon Processor E5-2450 v2 8C 2.5GHz 20MB Cache 1600MHz 95W	1/2	8GB / 384GB	Rack (1U)	1/2 LC	P, H	Y

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Table 1. System x3530 M4 (7160) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/avail)	Slots (total/avail)
7160-A2Y	-	Dual 1GB	ServeRAID C105	Simple-Swap	0GB/12TB	NA	4/4	3/3
7160-B2Y	-	Dual 1GB	H1110 SAS/ SATA Controller	Hot-Swap	0GB/12TB	NA	4/4	3/3
7160-C2Y	-	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/12TB	NA	4/4	3/3
7160-D2Y	-	Dual 1GB	M1115 SAS/ SATA Controller	Hot-Swap	0GB/8TB	Optional	8/8	3/3
7160-EAY5	31 December 2014	Dual 1GB	M1115 SAS/ SATA Controller	Hot-Swap	0GB/12TB	NA	4/4	3/2
7160-EBY5	31 December 2014	Dual 1GB	M1115 SAS/ SATA Controller	Hot-Swap	0GB/12TB	NA	4/4	3/2
7160-ECY5	30 June 2014	Dual 1GB	M5110 SAS/ SATA Controller	Hot-Swap	0GB/8TB	Multi-Burner	8/8	3/2
7160-G2Y	-	Dual 1GB	M5110 SAS/ SATA Controllert + 512MB Cache	Hot-Swap	0GB/8TB	Optional	8/8	3/2
7160-H2Y	-	Dual 1GB	M5110 SAS/ SATA Controller + 1MB Flash	Hot-Swap	0GB/8TB	Optional	8/8	3/2
7160-J2Y	-	Dual 1GB	M5110 SAS/ SATA Controller + 1MB Flash	Hot-Swap	0GB/8TB	Optional	8/8	3/2
7160-F2Y	-	Dual 1GB	M5110 SAS/ SATA Controller	Simple-Swap	0GB/8TB	Optional	8/8	3/2
7160-A3Y	30 June 2015	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/8TB	NA	8/8	3/3
7160-A5Y	30 June 2015	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/8TB	NA	8/8	3/3
7160-A7Y	30 June 2015	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/8TB	NA	8/8	3/3
7160-B3Y	30 June 2015	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/8TB	NA	8/8	3/3
7160-B5Y	30 June 2015	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/8TB	NA	8/8	3/3
7160-B7Y	30 June 2015	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/8TB	NA	8/8	3/3
7160-C3Y	30 June 2015	Dual 1GB	M1115 SAS/ SATA Controller	Hot-Swap	0GB/8TB	NA	8/8	3/2
7160-EDY5	-	Dual 1GB	ServeRAID C105	Hot-Swap	0GB/12TB	NA	4/4	3/3
7160-EEY5	-	Dual 1GB	H1110 SAS/ SATA Controller	Hot-Swap	0GB/12TB	NA	4/4	3/2
7160-EFY5	-	Dual 1GB	M5110 SAS/ SATA Controller	Hot-Swap	0GB/8TB	Multi-Burner	8/8	3/2
7160-F3Y	30 June 2015	Dual 1GB	M5110 SAS/ SATA Controller	Hot-Swap	0GB/8TB	Optional	8/8	3/2
7160-G3Y	30 June 2015	Dual 1GB	M5110 SAS/ SATA Controller	Hot-Swap	0GB/8TB	Optional	8/8	3/2

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7160-A2Y is 7160-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
- LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
- 460W fixed PSU models does not support RAID battery or supercap of flash before August 2012
- TopSeller model.

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System x3530 M4 (7160)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	94Y6382*	-	Addl Intel Xeon Processor E5-2430L 6C 2.0GHz 15MB 60W W/Fan	-
-	94Y6381*	-	Addl Intel Xeon Processor E5-2450L 8C 1.8GHz 20MB 70W W/Fan	-
-	94Y6380*	-	Addl Intel Xeon Processor E5-2403 4C 1.8GHz 10MB 80W W/Fan	-
-	94Y6379*	-	Addl Intel Xeon Processor E5-2407 4C 2.2GHz 10MB 80W W/Fan	-
-	94Y6378*	-	Addl Intel Xeon Processor E5-2420 6C 1.9GHz 15MB 95W W/Fan	-
-	94Y6377*	-	Addl Intel Xeon Processor E5-2430 6C 2.2GHz 15MB 95W W/Fan	-
-	94Y6376*	-	Addl Intel Xeon Processor E5-2440 6C 2.4GHz 15MB 95W W/Fan	-
-	94Y6375*	-	Addl Intel Xeon Processor E5-2450 8C 2.1GHz 20MB 95W W/Fan	-
-	94Y6374*	-	Addl Intel Xeon Processor E5-2470 8C 2.3GHz 20MB 95W W/Fan	-
-	00Y8105	-	Addl Intel Xeon Processor E5-2448L v2 10C 2.0GHz 25MB 1600MHz 70W	-
-	00Y8104	-	Addl Intel Xeon Processor E5-2428L v2 8C 2.4GHz 20MB 1333MHz 60W	-
-	00Y8103	-	Addl Intel Xeon Processor E5-2418L v2 6C 2.0GHz 15MB 1333MHz 45W	-
-	00J6400	-	Addl Intel Xeon Processor E5-2450L v2 10C 1.7GHz 25MB 1600MHz 60W	-
-	00J6399	-	Addl Intel Xeon Processor E5-2430L v2 6c 2.4GHz 15M 1600MHz 60W	-
-	00J6398	-	Addl Intel Xeon Processor E5-2470 v2 10C 2.4GHz 25MB 1600MHz 95W	-
-	00J6397	-	Addl Intel Xeon Processor E5-2450 v2 8C 2.5GHz 20MB 1600MHz 95W	-
-	00J6396	-	Addl Intel Xeon Processor E5-2440 v2 8C 1.9GHz 20MB 1600MHz 95W	-
-	00J6395	-	Addl Intel Xeon Processor E5-2430 v2 6C 2.5GHz 15MB 1600MHz 80W	-
-	00J6394	-	Addl Intel Xeon Processor E5-2420 v2 6C 2.2GHz 15MB 1600MHz 80W	-
-	00J6393	-	Addl Intel Xeon Processor E5-2407 v2 4C 2.4GHz 10MB 1333MHz 80W	-
-	00J6392	-	Addl Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB 1333MHz 80W	-

Note:
1. These processors are 1S only

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* Lenovo has withdrawn this product from marketing.



System x3530 M4 (7160)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape			
SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	49Y1397	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1407	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1406	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3109	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1559	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	46W0761	-	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM
-	46W0672	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5044	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5036	-	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5024	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5016	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
-	00D5012	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
-	00D4968	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
B2Y, C2Y, D2Y, G2Y, H2Y, J2Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
EAY, EBY, ECY	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
A3Y, A5Y, A7Y, B3Y, B5Y, B7Y,F3Y	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
C3Y, G3Y	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
GAV	2 X 1GB PC2-3200 CL3 ECC DDR-2 SDRAM RDIMM

Table 2. DIMM Population Sequece (Mirrored Channel Mode)

CPU	Slot
CPU 1	3,5 → 4,6
CPU 1 & CPU 2	3,5 → 9,11 → 4,6 → 10,12

Table 3. DIMM Population Sequence (Independent Mode)

CPU	Slot
CPU 1	1 → 3 → 5 → 2 → 4 → 6
CPU1 & CPU2	1 → 7 → 3 → 9 → 5 → 11 → 2 → 8 → 4 → 10 → 6 → 12

Table 4. DIMM Population Sequence (Spare Channel Mode)

CPU	Slot
CPU 1	1, 2 → 3, 4 → 5, 6
CPU1 & CPU 2	1,2 → 7,8 → 3,4 → 9,10 → 5,6 → 11,12

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* Lenovo has withdrawn this product from marketing.

System x3530 M4 (7160)

Attention:

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	81Y9690	-	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9670	-	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8953	-	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8877	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8872	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8913	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9650	-	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8926	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8908	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9662	-	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AD075	-	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AD085	-	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ300	-	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SAS Hot-Swap 3.5" HDDs						
-	90Y8577	-	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..3	4
-	90Y8567	-	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..3	4
-	49Y6102	-	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..3	4
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..3	4
-	49Y6092	-	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..3	4
-	90Y8572	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..3	4
-	49Y6210	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	SFF	0..3	4
-	00W1543	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	SFF	0..3	4
-	00W1533*	-	2TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	SFF	0..3	4
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..3	4
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..3	4
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..3	4
-	00ML213	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..3	4
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..3	4

-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..3	4
SAS Hot-Swap 2.5" Solid State Drives						
-	49Y6139	-	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y6134	-	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y6195	-	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SAS Simple-Swap 2.5" HDDs						
-	81Y9674*	-	300GB 15K 6Gbps SAS 2.5" G2SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9654*	-	900GB 10K 6Gbps SAS 2.5" SFF SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8935*	-	146GB 15K 6Gbps SAS 2.5" SFF G2SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8895*	-	300GB 10K 6Gbps SAS 2.5" SFF G2SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8890*	-	600GB 10K 6Gbps SAS 2.5" SFF G2SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AD080*	-	1.2TB 10K 6Gbps SAS 2.5 SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AD107*	-	600GB 10K 6Gbps SAS 2.5 G2SS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ305*	-	600GB 15K 6Gbps SAS 2.5 G2SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ251*	-	600GB 15K 6Gbps SAS 2.5 G2SS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ241*	-	300GB 15K 6Gbps SAS 2.5 G2SS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SAS Simple-Swap 2.5" Solid State Drives						
-	49Y6154*	-	800GB SAS 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y6149*	-	400GB SAS 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y6144*	-	200GB SAS 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y6200*	-	1.6TB SAS 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 2.5" HDDs						
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 3.5" HDDs						
-	81Y9798	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
-	81Y9794	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
-	81Y9790	-	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
-	81Y9786	-	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
-	49Y6002	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	SFF	0..3	4
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN173	-	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
-	00FN143	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
-	00FN113	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
SATA Hot-Swap 2.5" Solid State Drives						
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	41Y8341	-	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8

-	41Y8336	-	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	41Y8331	-	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ015	-	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ010	-	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ005	-	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ000	-	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ370	-	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ365	-	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ360	-	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ355	-	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	LFF	0..3	4
-	00FN327	-	480GB SATA 2.5" MLC HS Entry SSD	LFF	0..3	4
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	LFF	0..3	4
SATA Simple-Swap 2.5" HDDs						
-	81Y9742*	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9738*	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	81Y9734*	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF SS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Simple-Swap 3.5" HDDs						
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
-	81Y9810	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
-	81Y9806	-	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
-	81Y9802	-	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	SFF	0..3	4
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
SATA Simple-Swap 2.5" Solid State Drives						
-	00W1130*	-	100GB SATA 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8663*	-	256GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5854*	-	512GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5849*	-	64GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8668*	-	128GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	41Y8361*	-	S3700 800GB SATA 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	41Y8356*	-	S3700 400GB SATA 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	41Y8351*	-	S3700 200GB SATA 2.5" MLC SS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ035*	-	S3500 800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ030*	-	S3500 480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ025*	-	S3500 240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ020*	-	S3500 120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ390*	-	800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ385*	-	480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ380*	-	240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ375*	-	120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8

Associated HDD Options					
-	94Y6386	-	4 x 2.5" Hot-Swap SAS upgrade assembling kit	-	-
-	90Y4349	-	8-Pack ServeRAID C105 Controller Enabler	-	-
External storage expansion units					
-	172701X*	-	IBM System Storage EXP3000	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
3.5"HDD				
0	3.5"	LFF	-	HDD
1	3.5"	LFF	-	HDD
2	3.5"	LFF	-	HDD
3	3.5"	LFF	-	HDD
2.5"HDD				
0	2.5"	SFF	-	HDD
1	2.5"	SFF	-	HDD
2	2.5"	SFF	-	HDD
3	2.5"	SFF	-	HDD
4	2.5"	SFF	-	HDD
5	2.5"	SFF	-	HDD
6	2.5"	SFF	-	HDD
7	2.5"	SFF	-	HDD

* Lenovo has withdrawn this product from marketing.

System x3530 M4 (7160)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	PCIe 4x	1, 2	N	2
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	PCIe 4x	1, 2	N	2
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	PCIe 4x	1, 2	N	2
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	PCIe 4x	1, 2	N	2
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCIe 8x	1, 2	N	2
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCIe 8x	1, 2	N	2
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCIe 4x	1, 2	N	2
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCIe 4x	1, 2	N	2
-	49Y4218	-	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	42C1820*	-	Brocade 10Gb CNA	Half	PCIe 8x	1, 2	N	2
-	42C1800*	-	QLogic 10Gb CNA	Half	PCIe 8x	1, 2	N	2
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2
-	46M0907	-	6Gb SAS HBA	Half	PCIe 8x	1, 2	N	2
-	81Y4492	-	ServeRAID H1110 SAS/SATA Controller	Half	PCIe 4x	3	N	1
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCIe 8x	3	N	1
-	81Y4542	-	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4559	-	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4508	-	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
-	81Y4546	-	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
-	81Y4544	-	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4484	-	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4478	-	ServeRAID M5120 SAS/SATA Controller	Half	PCIe 8x	1, 2	N	2
-	81Y4448	-	ServeRAID M1115 SAS/SATA Controller	Half	PCIe 8x	3	N	1
-	81Y4481	-	ServeRAID M5110 SAS/SATA Controller	Half	PCIe 8x	3	N	1
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2
-	81Y1655	-	Emulex 16Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2
-	95Y3760	-	Emulex VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCIe 4x	1, 2	N	2
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCIe 4x	1, 2	N	2
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCIe 4x	1, 2	N	2
-	90Y4318	-	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	90Y4273	-	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2
-	47C8670	-	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00AE912	-	N2225 SAS/SATA Hba	Half	PCIe 8x	1, 2	N	2

-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCIe 4x	1, 2	N	2
-	42C1780	-	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCIe 4x	1, 2	N	2
-	49Y4216	-	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCIe 4x	1, 2	N	2
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1, 2	N	2
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCIe 1x	1, 2	N	2
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCIe 4x	1, 2	N	2
-	95Y3762*	-	Emulex Dual Port 10GbE SFP+ VFA III	Half	PCIe 8x	1, 2	N	1
-	90Y9314	-	Intel I-350 Embedded Dual Port GbE Activation for IBM System x (FoD)	-	-	-	-	-
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCIe 8x	1, 2	N	2
-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCIe 4x	1, 2	N	2
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCIe 4x	1, 2	N	2
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCIe 4x	1, 2	N	2
-	49Y7970	-	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCIe 8x	1, 2	N	2
-	90Y4600	-	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCIe 8x	1, 2	N	2
-	00Y5624	-	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	PCIe 8x	1, 2	N	2
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCIe 8x	1, 2	N	2
-	47C9952	-	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCIe 8x	1, 2	N	2
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCIe 8x	1, 2	N	2
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1, 2	N	2
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	-	-	-	-	-
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCIe 8x	1, 2	N	2
-	00D9676	-	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	PCIe 8x	1, 2	N	2
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	PCIe 8x	1, 2	N	2
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCIe 8x	1, 2	N	2
-	00JY830	-	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCIe 8x	1, 2	N	2
-	00JY824	-	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
-	00JY820	-	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCIe 8x	1	N	1
-	81Y3520	-	Intel X710 2x10GbE SFP+ Adapter	Half	PCIe 8x	1, 2	N	2
Systems Management								
-	90Y3901	-	Integrated Management Module Advanced Upgrade	-	-	-	-	-
Other I/O								
-	81Y9990*	-	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	PCIe 8x	1, 2	N	2
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
-	00D4490	-	PCIe Riser Card 1 (1 x16 FH/HL Slot) for Graphic card	-	-	-	-	-
-	00D4489	-	PCIe Riser Card for slot 1 (1 x8 FH/HL + 1 x8 LP Slots)	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
-	44T1364	-	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF013	-	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
-	00KF006	-	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF005	-	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF004	-	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF003	-	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF002	-	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-

Notes:

1. Server RAID C105 can only support SATA drives. No intermix with other hardware RAID adapters.
2. When customer select graphic card, 675W redundant PSU is suggested.

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	PCI-E x16	-	3.3/12	5Ghz	8	N	HL/FH
PCI Slot 2	PCI-E x16	-	3.3/12	5Ghz	8	N	HL/LP
PCI Slot 3	PCI-E x8	-	3.3/12	5Ghz	8	N	HL/LP
PCI Slot 4	-	-	-	-	-	-	-
PCI Slot 5	-	-	-	-	-	-	-

* Lenovo has withdrawn this product from marketing.

System x3530 M4 (7160)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
-	00D4413	-	460W Power Supply(Redundant)
-	00D4412	-	675W Power Supply-HE (Redundant)
-	00J6451	-	675W -48V Redundant DC PSU
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module

-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
-	39M2895	-	USB Conversion Option Pack
-	39R6531	-	3M SAS Cable
-	39R6529	-	1M SAS Cable
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
-	90Y6533	-	Lightpath Upgrade kit
-	00W2146	-	Rail Kit for x3650 M4 BD, x3630 M4 and x3530 M4
Fiber Cables			
-	00KF012	-	30m Mellanox Active IB FDR Optical Fiber Cable
-	00KF011	-	20m Mellanox Active IB FDR Optical Fiber Cable
-	00KF010	-	15m Mellanox Active IB FDR Optical Fiber Cable
-	00KF009	-	10m Mellanox Active IB FDR Optical Fiber Cable
-	00KF008	-	5m Mellanox Active IB FDR Optical Fiber Cable
-	00KF007	-	3m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable

-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3530 M4 (7160)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	39M5636*	-	DDS Gen 6 USB Tape Drive	-	-	-	-
-	46C5399*	-	IBM DDS Generation 5 USB Tape Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-
-	44E8869*	-	USB Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914)

Attention:

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- At a glance
- Options

Table 1. System x3550 M4 (7914) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7914-A2Y	30 June 2015	Intel Xeon Processor E5-2603 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EAY4	31 December 2014	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-B2Y	30 June 2015	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-C2Y	30 June 2015	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-C4Y	30 June 2015	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EBY4	31 December 2014	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-ECY4	31 December 2014	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-D2Y	30 June 2015	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-F2Y	30 June 2015	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EDY4	31 December 2014	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-G2Y	30 June 2015	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-H2Y	30 June 2015	Intel Xeon Processor E5-2660 8C 2.2GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-62Y	30 June 2015	Intel Xeon Processor E5-2665 8C 2.4GHz 20MB Cache 1600MHz 115W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-J2Y	30 June 2015	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-L2Y	30 June 2015	Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-52Y	30 June 2015	Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB Cache 1600MHz 70W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-DDY	30 June 2015	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	2/2	32GB / 768GB	Rack (1U)	2/2 LC	P, H, F	Y
7914-32Y	30 June 2015	Intel Xeon Processor E5-2643 4C 3.3GHz 10MB Cache 1600MHz 130W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-M2Y	30 June 2015	Intel Xeon Processor E5-2690 8C 2.9GHz 20MB Cache 1600MHz 135W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y

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Table 1. System x3550 M4 (7914) at-a-glance (continued)

Part number1	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
7914-A2Y	30 June 2015	Quad 1Gb	H1110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-EAY4	31 December 2014	Quad 1Gb	M1115	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-B2Y	30 June 2015	Quad 1Gb	M1115	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-C2Y	30 June 2015	Quad 1Gb	M1115	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-C4Y	30 June 2015	Quad 1Gb	H1110	LFF Hot-Swap	0GB/12TB	N/A	3/3	2/2

7914-EBY4	31 December 2014	Quad 1Gb	M5110 + 512MB Flash	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-ECY4	31 December 2014	Quad 1Gb	M5110 + 512MB Flash	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-D2Y	30 June 2015	Quad 1Gb	M5110 + 512MB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-F2Y	30 June 2015	Quad 1Gb	M5110 + 512MB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-EDY4	31 December 2014	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-G2Y	30 June 2015	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-H2Y	30 June 2015	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-62Y	30 June 2015	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-J2Y	30 June 2015	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-L2Y	30 June 2015	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-52Y	30 June 2015	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-DDY	30 June 2015	Quad 1Gb	M5110 + 512MB Cache + M5100 BAT	Hot-Swap	1.2TB/12.8TB	SATA Multi-Burner	9/6	2/1
7914-32Y	30 June 2015	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-M2Y	30 June 2015	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7914-52Y is 7914-52U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
4. TopSeller model.

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System x3550 M4 (7914)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	69Y5672*	-	Addl Intel Xeon Processor E5-2603 4C 1.8GHz 10MB 80W W/Fan	-
-	69Y5674*	-	Addl Intel Xeon Processor E5-2609 4C 2.4GHz 10MB 80W W/Fan	-
-	69Y5675*	-	Addl Intel Xeon Processor E5-2620 6C 2.0GHz 15MB 95W W/Fan	DDY
-	69Y5676*	-	Addl Intel Xeon Processor E5-2630 6C 2.3GHz 15MB 95W W/Fan	-
-	94Y7546*	-	Addl Intel Xeon Processor E5-2637 2C 3.0GHz 5MB 1600MHz 80W W/Fan	-
-	69Y5677*	-	Addl Intel Xeon Processor E5-2640 6C 2.5GHz 15MB 95W W/Fan	-
-	94Y7465*	-	Addl Intel Xeon Processor E5-2643 4C 3.3GHz 10MB 130W W/Fan	-
-	69Y5678*	-	Addl Intel Xeon Processor E5-2650 8C 2.0GHz 20MB 95W W/Fan	-
-	00D9440*	-	Addl Intel Xeon Processor E5-2658 8C 2.1GHz 20MB 95W W/Fan	-
-	69Y5679*	-	Addl Intel Xeon Processor E5-2660 8C 2.2GHz 20MB 95W W/Fan	-
-	94Y7547*	-	Addl Intel Xeon Processor E5-2665 8C 2.4GHz 20MB 115W W/Fan	-
-	69Y5682*	-	Addl Intel Xeon Processor E5-2667 6C 2.9GHz 15MB 130W W/Fan	-
-	94Y7463*	-	Addl Intel Xeon Processor E5-2670 8C 2.6GHz 20MB 115W W/Fan	-
-	69Y5680*	-	Addl Intel Xeon Processor E5-2680 8C 2.7GHz 20MB 130W W/Fan	-
-	94Y7545*	-	Addl Intel Xeon Processor E5-2690 8C 2.9GHz 20MB 1600MHz 135W W/Fan1	-
-	94Y7464*	-	Addl Intel Xeon Processor E5-2630L 6C 2.0GHz 15MB 60W W/Fan	-
-	00D9441*	-	Addl Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB 70W W/Fan	-
-	69Y5685*	-	Addl Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB 70W W/Fan	-

Note:

- Server on : 10 C to 27 C (50.0 F to 80.6 F); altitude: 0 to 304.8 m (1,000 ft) for 135W processors models

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* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1406	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1407	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1559	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3178	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1399*	-	8GB (1x8GB, 4Rx8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	49Y1397	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3109	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
00D4967	00D4968	A2U5	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
90Y3104	90Y3105	A291	32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM

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Figure 1. Memory DIMM assignment and installation sequence (one CPU)

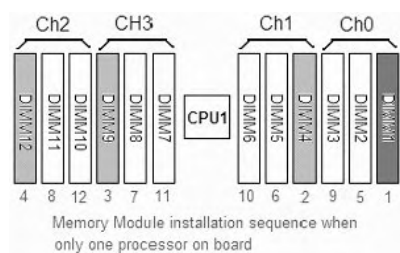


Figure 2. Memory DIMM assignment and installation sequence (two CPU)

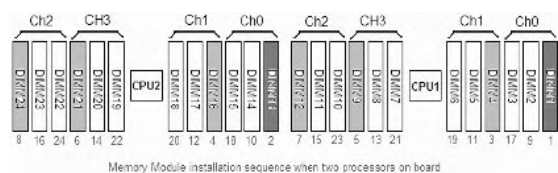


Figure 3. Memory Mirroring mode DIMM population rules

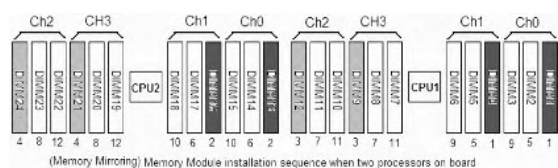
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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y,B2Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
C2Y,C4Y,D2Y, F2Y, EBY, ECY	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
52Y, 62Y, EDY, G2Y, H2Y, J2Y, L2Y	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
EAY, DDY	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
M2Y, 32Y	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
A3Y,B3Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
C3Y,C5Y,D3Y,F3Y,53Y,EGY,EHY,EJY	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
G3Y,H3Y,63Y,J3Y,L3Y, M3Y,23Y,33Y,43Y,73Y,83Y	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
EKY, EY,Y, CCY, CEY	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
GAV	2 X 1GB PC2-3200 CL3 ECC DDR-2 SDRAM RDIMM

Table 2. Memory mirroring mode DIMM population rules

CPU	Slot
One CPU	[1, 4], [9, 12], [2, 5], [8, 11], [3, 6], [7, 10]

- Note:**
- Memory Mirroring requires a minimum upgrade increment of two identical DIMM.

Table 3. Non-mirroring Mode DIMM population rules

CPU	Slot
One CPU	1,4,9,12,2,5,8,11,3,6,7,10
Two CPU	1,13,4,16,9,21,12,24,2,14,5,17,8,20,11,23,3,15,6,18,7,19,10,22

Table 4. Rank Spare Mode DIMM Population Rule A

CPU	Slot
One CPU	1, 4, 9, 12, 2, 5, 8, 11
Two CPU	1, 13, 4, 16, 9, 21, 12, 24, 2, 14, 5, 17, 8, 20, 11, 23

- Note:**
- All Quad-DIMM selected. The min. number of DIMM is one.

Table 5. Rank Spare Mode DIMM Population Rule B

CPU	Slot
One CPU	[1, 2], [4, 5], [8, 9], [11, 12], [3, 6], [7, 10]
Two CPU	[1, 2], [13, 14], [4, 5], [16, 17], [8, 9], [20, 21], [11, 12], [23, 24], [3, 6], [15, 18], [7, 10], [19, 22]

- Note:**
- Mixing single-/dual-/quad-rank DIMM and the total number of DIMM is even. The min. number of DIMM is two.

Table 6. Rank Spare Mode DIMM Population Rule C

CPU	Slot
One CPU	[1, 2, 3], [4, 5], [8, 9], [11, 12], [6, 7]
Two CPU	[1, 2, 3], [13, 14], [4, 5], [16, 17], [8, 9], [20, 21], [11, 12], [23, 24], [6, 7], [18, 19]

- Note:**
- Mixing single-/dual-/quad-rank DIMM and the total number of DIMM is odd. The min. number of DIMM is three.

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* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AD087	00AD085	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	LFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AD104	00AD102*	A4G7	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	LFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ302	00AJ300	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00NA443	-	ASCD	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8915	90Y8913	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SAS Hot-Swap 3.5" HDDs						
00W1545	00W1543	A4AJ	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0..2	3
49Y6212	49Y6210	A4AF	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	0..2	3
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..2	3
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..2	3
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..2	3
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..2	3
00ML225	00ML223*	AS7A	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..2	3
00ML230	00ML228*	AS7B	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..2	3
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..2	3
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..2	3
90Y8569	90Y8567	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..2	3
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..2	3

-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..2	3
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..2	3
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	49Y6129	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
49Y6197	49Y6195	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	LFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC367	00YC365	AT8M	120GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC372	00YC370	AT8N	240GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC377	00YC375	AT8P	480GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC382	00YC380	AT8Q	960GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 2.5" HDDs						
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 3.5" HDDs						
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
SATA Hot-Swap 2.5" Solid State Drives						
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ007	00AJ005	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ012	00AJ010	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00FN329	00FN327	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8

-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 3.5" Solid State Drives						
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	LFF	0..2	3
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	LFF	0..2	3
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	LFF	0..2	3
SATA Simple-Swap 3.5" HDDs						
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
81Y9808	81Y9806	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
81Y9804	81Y9802	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
SATA Simple-Swap 2.5" Solid State Drives						
00W1132	00W1130*	A3HS	100GB SATA 2.5" MLC SS Enterprise SSD	-	-	-
-	00AJ390*	-	800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	00AJ385*	-	480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	00AJ380*	-	240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	00AJ375*	-	120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	90Y8663*	-	256GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	43W7742*	-	200GB SATA 2.5" MLC SS SSd	SFF	0	1
-	90Y8668*	-	128GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
Optical drives3						
44W3251	-	4161	UltraSlim Enhanced SATA DVD-ROM	Ultra-Slim	-	1
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	Ultra-Slim	-	1
Associated HDD Options						
81Y6578	81Y6657	A1HN	x3550 M4 plus 4x 2.5" HDD Assembly Kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

- Notes:
1. HDDs with HDDs: SATA HDDs and SAS HDDs CAN be intermixed on the same backplane, but CAN'T be in the same RAID array. Hot-swap HDDs cannot be intermixed with simple-swap HDDs on the same backplane.
 2. SSDs with HDDs: Both hot-swap SATA HDDs and hot-swap SAS HDDs can be intermixed with SSDs on the same backplane. Neither SAS nor SATA HDDs can be configured with SSDs within the same RAID array.
 3. For 2.5" models only

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Table 1. HDD drive bays				
Bay	Form Factor	Height	Front access	Usage
3.5" HDD				
0	3.5in SAS/SATA HDD Bay	LFF	Y	HDD
1	3.5in SAS/SATA HDD Bay	LFF	Y	HDD
2	3.5in SAS/SATA HDD Bay	LFF	Y	HDD
2.5" HDD				
0	2.5in SAS/SATA HDD Bay	SFF	Y	HDD

1	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
2	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
3	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
4	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
5	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
6	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
7	2.5in SAS/SATA HDD Bay	SFF	Y	HDD

* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
68Y7355	46M0907	5982	6Gb SAS HBA	Half	PCIe 8x	1,2	N	2
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCIe 8x	Dedicated connector	N	1
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCIe 8x	2	N	1
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCIe 4x	1.2	N	2
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCIe 4x	1.2	N	2
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCIe 4x	1.2	N	2
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCIe 8x	Dedicated connector	N	1
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCIe 8x	1.2	N	2
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCIe 8x	Dedicated connector	N	1
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	00AE867*	-	Flash Adapter F3200 Enterprise Value	Half	PCIe 8x	2	N	1
-	00AE864*	-	Flash Adapter F1650 Enterprise Value	Half	PCIe 4x	1.2	N	2
-	00AE861*	-	Flash Adapter F825 Enterprise Value	Half	PCIe 4x	1.2	N	2
47C8672	47C8670	A4G6	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE931	-	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	2	N	1
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCIe 8x	2	N	1
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCIe 4x	2	N	1
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCIe 4x	2	N	1
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	2	N	1
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1

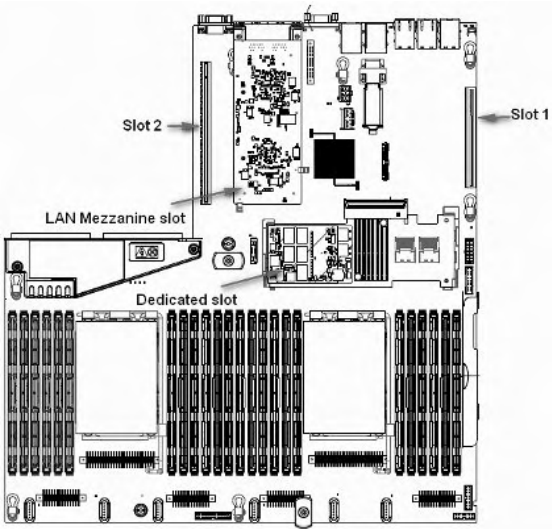
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCIe 8x	1.2	Y	2
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
90Y4311	81Y4542	A1X1	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4450	81Y4448	A1MZ	ServeRAID M1115 SAS/SATA Controller	Half	PCIe 4x	Dedicated connector	N	1
81Y4493	81Y4492	A1XL	ServeRAID H1110 SAS/SATA Controller	Half	PCIe 4x	Dedicated connector	N	1
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
90Y5180	90Y5178	A2TE	Emulex Mezz VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	PCI-E 8x	1, 2	N	2
49Y7983	49Y7980	A3JS	Intel X520 Dual Port 10GbE SFP+ Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E 8x	1, 2	N	2
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E 8x	1, 2	N	2
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E 8x	1, 2	N	2
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	PCI-E 16x	1, 2	N	2
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCI-E 8x	1, 2	N	2
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCI-E 8x	1, 2	N	2
-	00D9700*	-	Broadcom Single Port 10GbE SFP+ Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
49Y7993	49Y7990	A3JT	Intel X540 Dual Port 10GBase-T Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	PCI-E 8x	1, 2	N	2
47C9978	47C9977	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Less than half length (134mm)	PCI-E 8x	1, 2	N	2
44T1363	44T1360	A4YQ	Broadcom NetXtreme 2x10 GbE SFP+ Mezz Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E 8x	1, 2	N	2
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCI-E 8x	1, 2	N	2
00Y7729	00Y7730	A4MC	Emulex Dual Port 10GbE SFP+ Embedded VFA IIIr	Half	PCI-E 8x	LAN Mezzanine slot	N	1
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E 8x	1, 2	N	2
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E 4x	1, 2	N	2
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	N	2
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	N	2
00D9679	00D9676	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E 8x	2	N	1
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E 8x	2	N	1
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E 8x	1, 2	N	2
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCI-E 8x	1, 2	N	2
95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Half	PCI-E 8x	1, 2	N	2
90Y9374	-	A2VX	Broadcom NetXtreme I Quad Port GbE Adapter - 2U Bracket	-	-	-	-	-

90Y9377	-	A2VY	Broadcom NetXtreme I Dual Port GbE Adapter - 2U Bracket	-	-	-	-	-	
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E 8x	1, 2	N	2	
90Y5181	90Y5179	A2TF	Qlogic Embedded VFA FCoE/iSCSI License (FoD)	-	-	-	-	-	
81Y9991	81Y9990*	A1M4	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	PCI-E 8x	1, 2	N	2	
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2	
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2	
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe 8x	1,2	N	2	
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2	
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1,2	N	2	
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1,2	N	2	
90Y6605	00D4143	A36R	Dual Port FDR Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1	
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCIe 8x		1.2	N	2
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCIe 8x		1.2	N	2
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCIe 8x		1.2	N	2
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCIe 8x		1.2	N	2
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2	
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2	
-	95Y3750*	-	Mellanox ConnectX-2 Dual-port QSFP QDR IB Adapter	Half	PCI-E 8x	2, 1	N	1	
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E 1x	1, 2	N	2	
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E 4x	1, 2	N	2	
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E 4x	1,2	N	2	
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E 4x	1,2	N	2	
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCI-E 4x	1,2	N	2	
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	N	2	
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-E 4x	1, 2	N	2	
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	Y	2	
-	95Y3762*	-	Emulex Dual Port 10GbE SFP+ VFA III	Half	PCI-E 8x	1, 2	N	2	
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E 8x	1, 2	N	2	
49Y7913	49Y7910*	A18Y	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E 8x	1, 2	N	2	
-	42C1820*	-	Brocade 10Gb CNA	Half	PCI-E 8x	1,2	N	2	
-	42C1800*	-	QLogic 10Gb CNA	Half	PCI-E 8x	1,2	N	2	
90Y6266	90Y6454	A22H	Qlogic Dual Port 10GbE SFP+ Embedded VFA	Half	PCI-E 8x	LAN Mezzanine slot	N	1	
-	90Y6456*	-	Emulex Dual Port 10GbE SFP+ Embedded VFA III	Half	PCI-E 8x		LAN Mezzanine slot	N	1
Other I/O									
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-	
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-	
90Y3809	-	A2F9	1m Mellanox QSFP Passive Copper FDR10 InfiniBand Cable	-	-	-	-	-	
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-	
81Y9998	-	A1NQ	2U Bracket for Mellanox ConnectX-2 Dual Port 10GbE Adapter	-	-	-	-	-	
-	69Y5669*	-	x3550 M4 PCIX Riser Card 2 (1 PCIX FH/HL Slot)	-	-	-	-	-	
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade	-	-	-	-	-	
81Y6574	94Y7585	A1HJ	x3550 M4 PCIe Riser Card 1 (1 x16 LP Slot)	-	-	-	-	-	
81Y6575	69Y5670	A1HK	x3550 M4 PCIe Gen-III Riser Card 2(1 x8 FH/HL Slot)	-	-	-	-	-	
81Y6576	69Y5671	A1HL	x3550 M4 PCIe Gen-III Riser Card 2(1 x16 FH/HL Slot)	-	-	-	-	-	
81Y7338	69Y5681	A22D	x3550 M4 ODD Cable	-	-	-	-	-	
90Y6458	81Y6821	A228	Gen-III Slides Kit	-	-	-	-	-	
90Y6461	81Y6822	A229	Gen-III CMA	-	-	-	-	-	
90Y6465	69Y1193	A22B	Universal Slides Kit	-	-	-	-	-	
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-	
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-	
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-	
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-	
-	41Y8307*	-	USB Memory Key for VMware ESXi 5.0 Update1	-	-	-	-	-	
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-	
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-	
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-	
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-	

00KF038	00KF002	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	00KF003	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	00KF004	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	00KF005	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	00KF006	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	00KF013	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
44T1367	44T1364	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-

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Figure 1. System x3550 M4 (7914) system board



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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	Support low profile card (PCIe x16 w/PCIe riser)	-	3.3V	8Gb/s	x16	N	HL / LP
PCI Slot 2	Support full height half length card (PCIe x8 or PCIe x16 w/PCIe riser or PCI-X w/PCI-X riser).	A	3.3V	8Gb/s	x8, x16	N	HL / FH

* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
81Y6562	94Y6669	A1H5	750W High Efficiency Platinum AC Power Supply
81Y6563	94Y6668	A1H6	550W High Efficiency Platinum AC Power Supply
94Y7630	94Y7631	A39N	750W High Efficiency -48 V DC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module

-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
00D3850	00Y7676	A2U6	Advanced Lightpath Kit
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+-to-QSFP+ cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9201*	-	IBM 3 Button Optical Mouse - Black - USB
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P

-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
42C2060	39R6529	3708	1M SAS Cable
42C2061	39R6531	3707	3M SAS Cable
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
Fiber Cables			
13N1943	-	3704	5m LC-LC Fiber Cable
13N1944	-	3705	25m LC-LC Fiber Cable
00KF043	00KF007	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	00KF008	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	00KF009	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	00KF010	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	00KF011	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	00KF012	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	39M5636*	-	IBM DDS Generation 6 USB Tape Drive	-	-	-	-
-	46C5388*	-	IBM RDX500 Internal USB Bundle	-	-	-	-
-	46C5387*	-	IBM RDX320 Internal USB Bundle	-	-	-	-
-	46C5364*	-	IBM RDX160 Internal USB Bundle	-	-	-	-
-	362550X*	-	IBM RDX 500 GB External USB Drive	-	-	-	-
-	362532X*	-	IBM RDX 320 GB External USB Drive	-	-	-	-
-	362516X*	-	IBM RDX 160 GB External USB Drive	-	-	-	-
-	46C5399*	-	IBM DDS Generation 5 USB Tape Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-
-	44E8869*	-	USB Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. System x3550 M4 (7914 E-2600 v2) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7914-A3Y	-	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EGY4	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-B3Y	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	4GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EHY4	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-C3Y	-	Intel Xeon Processor E5-2620v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-C5Y	-	Intel Xeon Processor E5-2620v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-D3Y	-	Intel Xeon Processor E5-2620 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-23Y	-	Intel Xeon Processor E5-2637v2 4C 3.5GHz15MB Cache 1866MHz 130W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EJY4	-	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache1600MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-F3Y	-	Intel Xeon Processor E5-2640v2 8C 2.0GHz 20MB Cache1600MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-33Y	-	Intel Xeon Processor E5-2643v2 6C 3.3GHz 25MB Cache 1866MHz 130W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-G3Y	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-EKY4	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	16GB / 768GB	Rack (1U)	2/2 LC	P, H, F	Y
7914-H3Y	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-43Y	-	Intel Xeon Processor E5-2667v2 8C 3.0GHz 25MB Cache 1866MHz 130W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-J3Y	-	Intel Xeon Processor E5-2670v2 10C 2.5GHz 25MB Cache 1866MHz 115W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-L3Y	-	Intel Xeon Processor E5-2680v2 10C 2.7GHz 25MB Cache 1866MHz 115W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-M3Y	-	Intel Xeon Processor E5-2690v2 10C 3.0GHz 25MB Cache 1866MHz 130W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-73Y	-	Intel Xeon Processor E5-2695v2 12C 2.4GHz 30MB Cache 1866MHz 115W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-83Y	-	Intel Xeon Processor E5-2697v2 12C 2.7GHz 30MB Cache 1866MHz 130W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-53Y	-	Intel Xeon Processor E5-2650Lv2 10C 1.7GHz 25MB Cache1866MHz 70W	1/2	8GB / 768GB	Rack (1U)	1/2 LC	P, H, F	Y
7914-CCY4	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	32GB / 768GB	Rack (1U)	2/2 LC	P, H, F	Y
7914-CEY4	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	2/2	64GB / 768GB	Rack (1U)	2/2 LC	P, H, F	Y

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Table 1. System x3550 M4 (7914 E-2600 v2) at-a-glance (continued)

Part number ¹	Withdrawal dates ³	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
7914-A3Y	-	Quad 1Gb	H1110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-EGY ⁴	-	Quad 1Gb	M1115	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-B3Y	-	Quad 1Gb	M1115	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-EHY ⁴	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-C3Y	-	Quad 1Gb	M1115	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-C5Y	-	Quad 1Gb	H1110	Hot-Swap	0GB/12TB	N/A	3/3	2/2
7914-D3Y	-	Quad 1Gb	M5110 + 512MB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-23Y	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-EJY ⁴	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-F3Y	-	Quad 1Gb	M5110 + 512MB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-33Y	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-G3Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-EKY ⁴	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-H3Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-43Y	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-J3Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-L3Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-M3Y	-	Quad 1Gb	M5110	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-73Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-83Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-53Y	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	optional	9/9	2/2
7914-CCY ⁴	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2
7914-CEY ⁴	-	Quad 1Gb	M5110 + 1GB Flash	Hot-Swap	0GB/12.8TB	SATA Multi-Burner	9/8	2/2

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U. S. orderable part number for 7914-52Y is 7914-52U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
4. TopSeller model.

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System x3550 M4 (7914 E-2600 v2)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
46W2753	-	A3WK	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	A3Y
46W2754	-	A3WL	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	B3Y, EGY
46W2755	-	A3WM	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	C3Y, C5Y, EHY, CEY
46W2756	-	A3WN	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	D3Y
46W2764	-	A3WY	Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB Cache 1866MHz 130W	23Y
46W2757	-	A3WQ	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHz 95W	F3Y, EJY
46W2765	-	A3WZ	Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB Cache 1866MHz 130W	33Y
46W2758	-	A3WR	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	G3Y
46W2759	-	A3WS	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	H3Y, EKY
46W2766	-	A3X0	Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB Cache 1866MHz 130W	43Y
46W2760	-	A3WU	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	J3Y
46W2761	-	A3WV	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	L3Y, EY, Y
46W2762	-	A3WW	Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 1866MHz 130W	M3Y
46W2751	-	A3X1	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 1866MHz 115W	73Y
46W2752	-	A3X2	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHz 130W	83Y
00Y7239	-	A467	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB cache 1600MHz 70W	-
46W2767	-	A3WP	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 1600MHz 60W	-
00Y7241	-	A466	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB cache 1866MHz 70W	-
46W2768	-	A3WX	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHz 70W	53Y
Additional processor				
46W2771	46W2835	A3X3	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 80W	-
46W2772	46W2836	A3X4	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 80W	-
46W2773	46W2837	A3X5	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 80W	-
46W2774	46W2838	A3X6	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 80W	-
46W2782	46W2846	A3XG	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB Cache 130W	-
46W2775	46W2839	A3X8	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 95W	-
46W2783	46W2847	A3XH	Addl Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB Cache 130W	-
46W2776	46W2840	A3X9	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 95W	-
46W2777	46W2841	A3XA	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 95W	-
46W2784	46W2848	A3XJ	Addl Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB Cache 130W	-
46W2778	46W2842	A3XC	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 115W	-
46W2779	46W2843	A3XD	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 115W	-
46W2780	46W2844	A3XE	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 130W	-
46W2769	46W2833	A3XK	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 115W	-
46W2770	46W2834	A3XL	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 130W	-
00Y7245	00Y7257	A469	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB Cache 70W	-
46W2785	46W2849	A3X7	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 60W	-
00Y7247	00Y7259	A468	Addl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB Cache 70W	-
46W2786	46W2850	A3XF	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 70W	-

Note:

- Server on : 10 C to 27 C (50.0 F to 80.6 F); altitude: 0 to 304.8 m (1,000 ft) for 135W processors models

System x3550 M4 (7914 E-2600 v2)

Attention:

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
46W0671	46W0672	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5023	00D5024	A3QE	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5019	00D5020	A3QD	4GB (1x4GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5035	00D5036	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5031	00D5032	A3QG	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5039	00D5040	A3QJ	8GB (1x8GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5047	00D5048	A3QL	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM

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Figure 1. Memory DIMM assignment and installation sequence (one CPU)

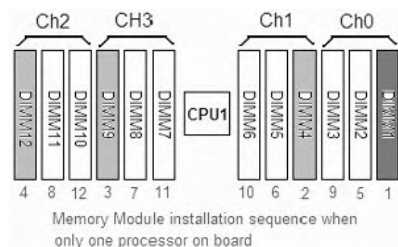


Figure 2. Memory DIMM assignment and installation sequence (two CPU)

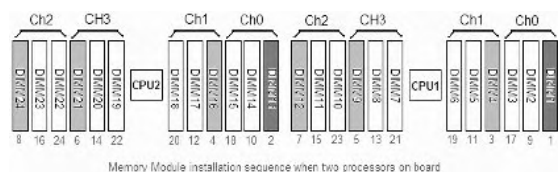
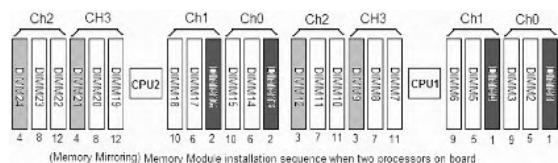


Figure 3. Memory Mirroring mode DIMM population rules



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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y,B2Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
C2Y,C4Y,D2Y, F2Y, EBY, ECY	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
52Y, 62Y, EDY, G2Y, H2Y, J2Y, L2Y	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM

EAY, DDY	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
M2Y, 32Y	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
A3Y,B3Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
C3Y,C5Y,D3Y,F3Y,53Y,EGY,EHY,EJY	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
G3Y,H3Y,63Y,J3Y,L3Y, M3Y,23Y,33Y,43Y,73Y,83Y	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
EKY, EY,Y, CCY, CEY	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
GAV	2 X 1GB PC2-3200 CL3 ECC DDR-2 SDRAM RDIMM

Table 2. Memory mirroring mode DIMM population rules

CPU	Slot
One CPU	[1, 4], [9, 12], [2, 5], [8, 11], [3, 6], [7, 10]

- Note:**
- Memory Mirroring requires a minimum upgrade increment of two identical DIMM.

Table 3. Non-mirroring Mode DIMM population rules

CPU	Slot
One CPU	1,4,9,12,2,5,8,11,3,6,7,10
Two CPU	1,13,4,16,9,21,12,24,2,14,5,17,8,20,11,23,3,15,6,18,7,19,10,22

Table 4. Rank Spare Mode DIMM Population Rule A

CPU	Slot
One CPU	1, 4, 9, 12, 2, 5, 8, 11
Two CPU	1, 13, 4, 16, 9, 21, 12, 24, 2, 14, 5, 17, 8, 20, 11, 23

- Note:**
- All Quad-DIMM selected. The min. number of DIMM is one.

Table 5. Rank Spare Mode DIMM Population Rule B

CPU	Slot
One CPU	[1, 2], [4, 5], [8, 9], [11, 12], [3, 6], [7, 10]
Two CPU	[1, 2], [13, 14], [4, 5], [16, 17], [8, 9], [20, 21], [11, 12], [23, 24], [3, 6], [15, 18], [7, 10], [19, 22]

- Note:**
- Mixing single-/dual-/quad-rank DIMM and the total number of DIMM is even. The min. number of DIMM is two.

Table 6. Rank Spare Mode DIMM Population Rule C

CPU	Slot
One CPU	[1, 2, 3], [4, 5], [8, 9], [11, 12], [6, 7]
Two CPU	[1, 2, 3], [13, 14], [4, 5], [16, 17], [8, 9], [20, 21], [11, 12], [23, 24], [6, 7], [18, 19]

- Note:**
- Mixing single-/dual-/quad-rank DIMM and the total number of DIMM is odd. The min. number of DIMM is three.

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System x3550 M4 (7914 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AD087	00AD085	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	LFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AD104	00AD102*	A4G7	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	LFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ302	00AJ300	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00NA443	-	ASCD	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8915	90Y8913	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SAS Hot-Swap 3.5" HDDs						
00W1545	00W1543	A4AJ	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0..2	3
49Y6212	49Y6210	A4AF	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	0..2	3
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..2	3
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..2	3
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..2	3
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..2	3
00ML225	00ML223*	AS7A	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..2	3
00ML230	00ML228*	AS7B	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..2	3
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..2	3
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..2	3
90Y8569	90Y8567	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..2	3
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..2	3

-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..2	3
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0..2	3
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	49Y6129	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
49Y6197	49Y6195	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	LFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC367	00YC365	AT8M	120GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC372	00YC370	AT8N	240GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC377	00YC375	AT8P	480GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00YC382	00YC380	AT8Q	960GB Enterprise Entry SATA HS 2.5" SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 2.5" HDDs						
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 3.5" HDDs						
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..2	3
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..2	3
SATA Hot-Swap 2.5" Solid State Drives						
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ007	00AJ005	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ012	00AJ010	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00FN329	00FN327	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8

-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0, 1, 2, 3, 4, 5, 6, 7	8
SATA Hot-Swap 3.5" Solid State Drives						
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	LFF	0..2	3
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	LFF	0..2	3
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	LFF	0..2	3
SATA Simple-Swap 3.5" HDDs						
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..2	3
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
81Y9808	81Y9806	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
81Y9804	81Y9802	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..2	3
SATA Simple-Swap 2.5" Solid State Drives						
00W1132	00W1130*	A3HS	100GB SATA 2.5" MLC SS Enterprise SSD	-	-	-
-	00AJ390*	-	800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	00AJ385*	-	480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	00AJ380*	-	240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	00AJ375*	-	120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	90Y8663*	-	256GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
-	43W7742*	-	200GB SATA 2.5" MLC SS SSd	SFF	0	1
-	90Y8668*	-	128GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0	1
Optical drives3						
44W3251	-	4161	UltraSlim Enhanced SATA DVD-ROM	Ultra-Slim	-	1
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	Ultra-Slim	-	1
Associated HDD Options						
81Y6578	81Y6657	A1HN	x3550 M4 plus 4x 2.5" HDD Assembly Kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

Notes:

1. HDDs with HDDs: SATA HDDs and SAS HDDs CAN be intermixed on the same backplane, but CAN'T be in the same RAID array. Hot-swap HDDs cannot be intermixed with simple-swap HDDs on the same backplane.
2. SSDs with HDDs: Both hot-swap SATA HDDs and hot-swap SAS HDDs can be intermixed with SSDs on the same backplane. Neither SAS nor SATA HDDs can be configured with SSDs within the same RAID array.
3. For 2.5" models only

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Table 1. HDD drive bays				
Bay	Form Factor	Height	Front access	Usage
3.5" HDD				
0	3.5in SAS/SATA HDD Bay	LFF	Y	HDD
1	3.5in SAS/SATA HDD Bay	LFF	Y	HDD
2	3.5in SAS/SATA HDD Bay	LFF	Y	HDD
2.5" HDD				
0	2.5in SAS/SATA HDD Bay	SFF	Y	HDD

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1	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
2	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
3	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
4	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
5	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
6	2.5in SAS/SATA HDD Bay	SFF	Y	HDD
7	2.5in SAS/SATA HDD Bay	SFF	Y	HDD

* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914 E-2600 v2)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
68Y7355	46M0907	5982	6Gb SAS HBA	Half	PCIe 8x	1,2	N	2
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCIe 8x	Dedicated connector	N	1
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCIe 8x	2	N	1
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCIe 4x	1.2	N	2
95Y3761	95Y3760	A2U2	Emulex VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCIe 4x	1.2	N	2
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCIe 4x	1.2	N	2
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCIe 8x	Dedicated connector	N	1
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCIe 8x	1.2	N	2
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCIe 8x	Dedicated connector	N	1
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	00AE867*	-	Flash Adapter F3200 Enterprise Value	Half	PCIe 8x	2	N	1
-	00AE864*	-	Flash Adapter F1650 Enterprise Value	Half	PCIe 4x	1.2	N	2
-	00AE861*	-	Flash Adapter F825 Enterprise Value	Half	PCIe 4x	1.2	N	2
47C8672	47C8670	A4G6	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCIe 8x	1.2	N	2
00AE931	-	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	2	N	1
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCIe 8x	2	N	1
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCIe 4x	2	N	1
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCIe 4x	2	N	1

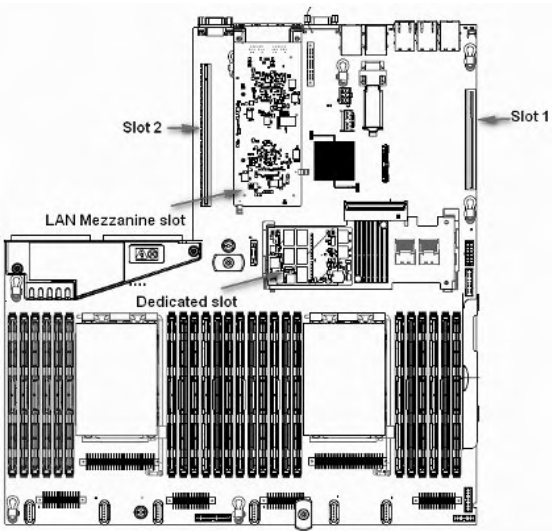
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	2	N	1
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCIe 8x	2	N	1
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCIe 8x	1.2	Y	2
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
90Y4311	81Y4542	A1X1	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4450	81Y4448	A1MZ	ServeRAID M1115 SAS/SATA Controller	Half	PCIe 4x	Dedicated connector	N	1
81Y4493	81Y4492	A1XL	ServeRAID H1110 SAS/SATA Controller	Half	PCIe 4x	Dedicated connector	N	1
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
90Y5180	90Y5178	A2TE	Emulex Mezz VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	PCI-E 8x	1, 2	N	2
49Y7983	49Y7980	A3JS	Intel X520 Dual Port 10GbE SFP+ Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E 8x	1, 2	N	2
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E 8x	1, 2	N	2
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E 8x	1, 2	N	2
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	PCI-E 16x	1, 2	N	2
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCI-E 8x	1, 2	N	2
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCI-E 8x	1, 2	N	2
-	00D9700*	-	Broadcom Single Port 10GbE SFP+ Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
49Y7993	49Y7990	A3JT	Intel X540 Dual Port 10GBase-T Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	PCI-E 8x	1, 2	N	2
47C9978	47C9977	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Less than half length (134mm)	PCI-E 8x	1, 2	N	2
44T1363	44T1360	A4YQ	Broadcom NetXtreme 2x10 GbE SFP+ Mezz Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E 8x	1, 2	N	2
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIlr	Half	PCI-E 8x	1, 2	N	2
00Y7729	00Y7730	A4MC	Emulex Dual Port 10GbE SFP+ Embedded VFA IIlr	Half	PCI-E 8x	LAN Mezzanine slot	N	1
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E 8x	1, 2	N	2
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E 4x	1, 2	N	2
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	N	2
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	N	2
00D9679	00D9676	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E 8x	2	N	1
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E 8x	2	N	1
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E 8x	1, 2	N	2
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCI-E 8x	1, 2	N	2

95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Half	PCI-E 8x	1, 2	N	2	
90Y9374	-	A2VX	Broadcom NetXtreme I Quad Port GbE Adapter - 2U Bracket	-	-	-	-	-	
90Y9377	-	A2VY	Broadcom NetXtreme I Dual Port GbE Adapter - 2U Bracket	-	-	-	-	-	
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E 8x	1, 2	N	2	
90Y5181	90Y5179	A2TF	Qlogic Embedded VFA FCoE/iSCSI License (FoD)	-	-	-	-	-	
81Y9991	81Y9990*	A1M4	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	PCI-E 8x	1, 2	N	2	
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe 8x	1, 2	N	2	
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2	
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe 8x	1,2	N	2	
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe 8x	1, 2	N	2	
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1,2	N	2	
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1,2	N	2	
90Y6605	00D4143	A36R	Dual Port FDR Embedded Adapter	Half	PCI-E 8x	LAN Mezzanine slot	N	1	
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCIe 8x		1.2	N	2
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCIe 8x		1.2	N	2
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCIe 8x		1.2	N	2
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCIe 8x		1.2	N	2
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCIe 8x	1.2	N	2	
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCIe 8x	1.2	N	2	
-	95Y3750*	-	Mellanox ConnectX-2 Dual-port QSFP QDR IB Adapter	Half	PCI-E 8x	2, 1	N	1	
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E 1x	1, 2	N	2	
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E 4x	1, 2	N	2	
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E 4x	1,2	N	2	
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E 4x	1,2	N	2	
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCI-E 4x	1,2	N	2	
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	N	2	
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-E 4x	1, 2	N	2	
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCI-E 4x	1, 2	Y	2	
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E 8x	1, 2	N	2	
49Y7913	49Y7910*	A18Y	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E 8x	1, 2	N	2	
-	42C1820*	-	Brocade 10Gb CNA	Half	PCI-E 8x	1,2	N	2	
-	42C1800*	-	QLogic 10Gb CNA	Half	PCI-E 8x	1,2	N	2	
90Y6266	90Y6454	A22H	Qlogic Dual Port 10GbE SFP+ Embedded VFA	Half	PCI-E 8x	LAN Mezzanine slot	N	1	
Video Adapters									
90Y2384	-	A3WH	NVIDIA Quadro K600	Half Length	PCIe x16	2	N	1	
Other I/O									
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-	
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-	
90Y3809	-	A2F9	1m Mellanox QSFP Passive Copper FDR10 InfiniBand Cable	-	-	-	-	-	
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-	
81Y9998	-	A1NQ	2U Bracket for Mellanox ConnectX-2 Dual Port 10GbE Adapter	-	-	-	-	-	
-	69Y5669*	-	x3550 M4 PCIX Riser Card 2 (1 PCIX FH/HL Slot)	-	-	-	-	-	
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade	-	-	-	-	-	
81Y6574	94Y7585	A1HJ	x3550 M4 PCIe Riser Card 1 (1 x16 LP Slot)	-	-	-	-	-	
81Y6575	69Y5670	A1HK	x3550 M4 PCIe Gen-III Riser Card 2(1 x8 FH/HL Slot)	-	-	-	-	-	
81Y6576	69Y5671	A1HL	x3550 M4 PCIe Gen-III Riser Card 2(1 x16 FH/HL Slot)	-	-	-	-	-	
81Y7338	69Y5681	A22D	x3550 M4 ODD Cable	-	-	-	-	-	
90Y6458	81Y6821	A228	Gen-III Slides Kit	-	-	-	-	-	
90Y6461	81Y6822	A229	Gen-III CMA	-	-	-	-	-	
90Y6465	69Y1193	A22B	Universal Slides Kit	-	-	-	-	-	
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-	
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-	
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-	
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-	
-	41Y8307*	-	USB Memory Key for VMware ESXi 5.0 Update1	-	-	-	-	-	
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-	
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-	
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-	

00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00KF038	00KF002	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	00KF003	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	00KF004	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	00KF005	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	00KF006	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	00KF013	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
44T1367	44T1364	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-

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Figure 1. System x3550 M4 (7914) system board



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Table 1. Slots							
Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	Support low profile card (PCIe x16 w/PCIe riser)	-	3.3V	8Gb/s	x16	N	HL / LP
PCI Slot 2	Support full height half length card (PCIe x8 or PCIe x16 w/PCIe riser or PCI-X w/PCI-X riser).	A	3.3V	8Gb/s	x8, x16	N	HL / FH

* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
81Y6562	94Y6669	A1H5	750W High Efficiency Platinum AC Power Supply
81Y6563	94Y6668	A1H6	550W High Efficiency Platinum AC Power Supply
94Y7630	94Y7631	A39N	750W High Efficiency -48 V DC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module

-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	39M2894*	-	Virtual Media Conversion Option
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
00D3850	00Y7676	A2U6	Advanced Lightpath Kit
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+ to-QSFP+ cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9201*	-	IBM 3 Button Optical Mouse - Black - USB
-	40K9200	-	Optical Wheel Mouse - USB RoHS

-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
42C2060	39R6529	3708	1M SAS Cable
42C2061	39R6531	3707	3M SAS Cable
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
Fiber Cables			
13N1943	-	3704	5m LC-LC Fiber Cable
13N1944	-	3705	25m LC-LC Fiber Cable
00KF043	00KF007	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	00KF008	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	00KF009	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	00KF010	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	00KF011	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	00KF012	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3550 M4 (7914 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	39M5636*	-	IBM DDS Generation 6 USB Tape Drive	-	-	-	-
-	46C5399*	-	IBM DDS Generation 5 USB Tape Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-
-	44E8869*	-	USB Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3550 M5 (5463)

Attention:

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- At a glance
- Options

Table 1. System x3550 M5 (5463) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)3	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
5463-62Y	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-A2Y	-	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	Rack (1U)	1/2 LC	P, F	Y
5463-B2Y	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	Rack (1U)	1/2 LC	P, F	Y
5463-C2Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-C4Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-D2Y	-	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-EAY4	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-EBY4	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-ECY4	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-EDY4	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-EEY4	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	2/2	32GB / 1536GB	Rack (1U)	2/2 LC	P,H,F	Y
5463-EFY4	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	2/2	64GB / 1536GB	Rack (1U)	2/2 LC	P,H,F	Y
5463-F2Y	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-G2Y	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-H2Y	-	Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-J2Y	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-L2Y	-	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-M2Y	-	Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB Cache 2133MHz 145W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NAY	-	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NBY	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NCY	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NDY	-	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NEY	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NFY	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NHY	-	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NJY	-	Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB Cache 2133MHz 135W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y

5463-NKY	-	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-NMY	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	2/2	32GB / 1536GB	Rack (1U)	2/2 LC	P,H,F	Y
5463-NNY	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	2/2	64GB / 1536GB	Rack (1U)	2/2 LC	P,H,F	Y
5463-NPY	-	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	2/2	64GB / 1536GB	Rack (1U)	2/2 LC	P,H,F	Y
5463-N2Y	-	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-P2Y	-	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-Q2Y	-	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	1/2	16GB / 1536GB	Rack (1U)	1/2 LC	P,H,F	Y
5463-EXY4	-	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	2/2	16GB / 1536GB	Rack (1U)	2/2 LC	P,H,F	Y

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Table 1. System x3550 M5 (5463) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
5463-62Y	-	Quad 1Gb	M5210+ 2GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-A2Y	-	Quad 1Gb	M1215	Simple-Swap	0TB/6.4TB	Optional	5/5	4/1
5463-B2Y	-	Quad 1Gb	M1215	Simple-Swap	0TB/24TB	Optional	5/5	4/1
5463-C2Y	-	Quad 1Gb	M1215	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-C4Y	-	Quad 1Gb	M1215	Hot-Swap	0TB/24TB	Optional	5/5	4/1
5463-D2Y	-	Quad 1Gb	M5210 +1GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-EAY4	-	Quad 1Gb	M1215	Hot-Swap	0TB/15.36TB	Multi-Burner	5/4	4/1
5463-EBY4	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Multi-Burner	5/4	4/1
5463-ECY4	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Multi-Burner	5/4	4/1
5463-EDY4	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Multi-Burner	5/4	4/1
5463-EEY4	-	Quad 1Gb	M5210+ 2GB Flash	Hot-Swap	0TB/15.36TB	Multi-Burner	5/4	4/1
5463-EFY4	-	Quad 1Gb	M5210+ 4GB Flash	Hot-Swap	0TB/30.72TB	Multi-Burner	9/8	4/1
5463-F2Y	-	Quad 1Gb	M5210+ 1GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-G2Y	-	Quad 1Gb	M5210+ 1GB Flash	Hot-Swap	0TB/38.4TB	None	10/10	4/1
5463-H2Y	-	Quad 1Gb	M5210+ 1GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-J2Y	-	Quad 1Gb	M5210+ 2GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-L2Y	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-M2Y	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NAY	-	Quad 1Gb	M1215	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NBY	-	Quad 1Gb	M1215	Hot-Swap	0TB/24TB	Optional	5/5	4/1
5463-NCY	-	Quad 1Gb	M1215	Hot-Swap	0TB/24TB	Optional	5/5	4/1
5463-NDY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NEY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NFY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NHY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NJY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NKY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NMY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NNY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-NPY	-	Quad 1Gb	M5210	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-N2Y	-	Quad 1Gb	M5210+ 2GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-P2Y	-	Quad 1Gb	M5210+ 2GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-Q2Y	-	Quad 1Gb	M5210+ 2GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/1
5463-EXY4	-	Quad 1Gb	M5210+ 1GB Flash	Hot-Swap	0TB/15.36TB	Optional	5/5	4/3

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5463-A2Y is 5463-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
3. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
4. TopSeller model.

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Figure 1. 2.5" Model Front View (8x 2.5")

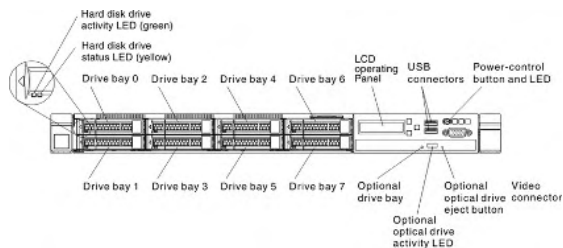


Figure 2. 2.5" Model Front View (10x 2.5")

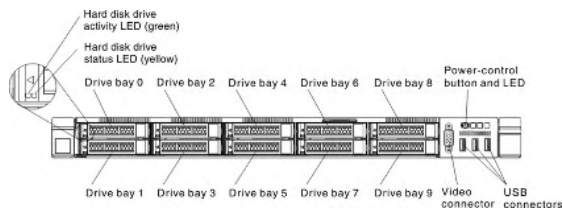
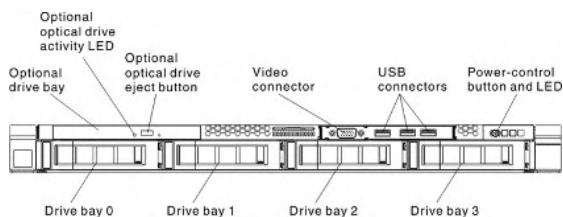


Figure 3. 3.5" Model Front View (4x 3.5")



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System x3550 M5 (5463)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

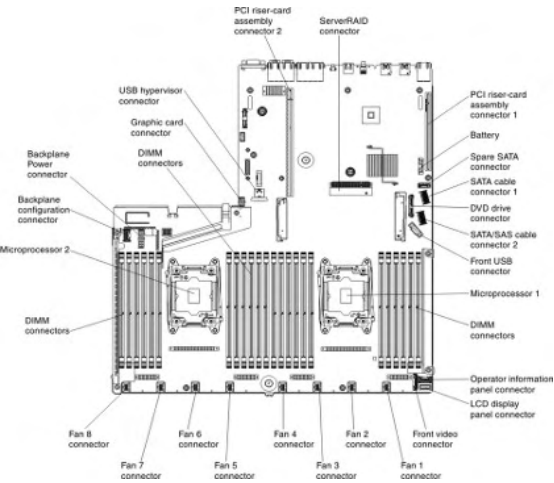
Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00KA023	-	A5BC	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	C2Y, C4Y, EBY, EEY, NCY
00KA024	-	A5BD	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	D2Y, NDY
00KA025	-	A5BE	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	F2Y, EBY,NMY
00KA026	-	A5BF	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	A2Y, NAY
00KA027	-	A5BG	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	B2Y, EAY, NBY
00KA028	-	A5BH	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	G2Y, EFY, EDY
00KA030	-	A5BK	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	62Y, NEY, NNY
00KA031	-	A5BL	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	J2Y, NPY
00KA032	-	A5BM	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	L2Y, NHY, NPY
00KA033	-	A5BN	Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	H2Y
00KF581	-	ARZ8	Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB Cache 2133MHz 145W	M2Y
00KG464	-	ASCL	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	P2Y
00KG465	-	ASCM	Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB Cache 2133MHz 120W	-
00KG466	-	ASCN	Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB Cache 2133MHz 120W	-
00KG467	-	ASCP	Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB Cache 2133MHz 120W	-
00KG468	-	ASCQ	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	NKY, N2Y
00KG469	-	ASCR	Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB Cache 2133MHz 135W	-
00KG470	-	ASCS	Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB Cache 2133MHz 65W	-
00KG471	-	ASCT	Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB Cache 1866MHz 105W	-
00KG472	-	ASCU	Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB Cache 2133MHz 135W	-
00KG473	-	ASCV	Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB Cache 2133MHz 135W	NJY
00KG474	-	ASCW	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	Q2Y, EXY
Additional processor				
00KA037	00KA067	A5BS	Addl Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB 1866MHz 85W	EEY
00KA038	00KA068	A5BT	Addl Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB 1866MHz 85W	-
00KA039	00KA069	A5BU	Addl Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB 1866MHz 90W	NMY
00KA040	00KA070	A5BV	Addl Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB 1600MHz 85W	-
00KA041	00KA071	A5BW	Addl Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB 1600MHz 85W	-
00KA042	00KA072	A5BX	Addl Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB 2133MHz 105W	EFY
00KA044	00KA074	A5BZ	Addl Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB 2133MHz 120W	NNY
00KA045	00KA075	A5C0	Addl Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB 2133MHz 120W	-
00KA046	00KA076	A5C1	Addl Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB 2133MHz 135W	NPY
00KA047	00KA077	A5C2	Addl Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB 1866MHz 55W	-
00KF582	00KF584	ARZ9	Addl Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB 2133MHz 145W	-
00KG475	00MU400	ASCX	Addl Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB 2133MHz 105W	-
00KG476	00MU401	ASCY	Addl Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB 2133MHz 120W	-
00KG477	00MU402	ASCZ	Addl Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB 2133MHz 120W	-
00KG478	00MU403	ASD0	Addl Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB 2133MHz 120W	-
00KG479	00MU404	ASD1	Addl Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB 2133MHz 145W	-
00KG480	00MU405	ASD2	Addl Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB 2133MHz 135W	-
00KG481	00MU406	ASD3	Addl Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB 2133MHz 65W	-
00KG482	00MU407	ASD4	Addl Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB 1866MHz 105W	-

00KG483	00MU408	ASD5	Addl Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB 2133MHz 135W	-
00KG484	00MU409	ASD6	Addl Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB 2133MHz 135W	-
00KG485	00MU410	ASD7	Addl Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB 2133MHz 135W	-
00MU554	00MU566	ASLF	Addl Intel Xeon Processor E5-2608L v3 6C 2.0GHz 15MB 1866MHz 52W	-
00MU555	00MU567	ASLG	Addl Intel Xeon Processor E5-2618L v3 8C 2.3GHz 20MB 1866MHz 75W	-
00MU556	00MU568	ASLH	Addl Intel Xeon Processor E5-2628L v3 10C 2.0GHz 25MB 1866MHz 75W	-
00MU557	00MU569	ASLJ	Addl Intel Xeon Processor E5-2648L v3 12C 1.8GHz 30MB 2133MHz 75W	-
00MU558	00MU570	ASLK	Addl Intel Xeon Processor E5-2658 v3 12C 2.2GHz 30MB 2133MHz 105W	-

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Figure 1. System planar



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Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
TruDDR4 Memory			
46W0783	46W0784	A5B6	4GB TruDDR4 Memory (1Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0787	46W0788	A5B5	8GB TruDDR4 Memory (1Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0791	46W0792	A5B8	8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0795	46W0796	A5B7	16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0799	46W0800	A5B9	32GB TruDDR4 Memory (4Rx4, 1.2V) PC417000 CL15 2133MHz LP LRDIMM
95Y4811	95Y4812	A5UK	64GB TruDDR4 Memory (4Rx4,1.2V) PC4-17000 CL15 2133MHz LP LRDIMM
95Y4807	95Y4808	A5UJ	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y, EAY, NAY,NBY, EXY	8GB (1x8GB, 1Rx4, 1.2V) PC4-17000 CL15 ECC DDR4 2133MHz LP RDIMM
62Y, C2Y, C4Y, D2Y, F2Y, G2Y, H2Y, J2Y, L2Y, M2Y, EBY, ECY, EDY, EEY, EFY, NCY,NDY, NEY, NFY, NHY, NJY, NKY, NMY, NNY, NPY, N2Y, P2Y, Q2Y	16GB (1x16GB, 2Rx4, 1.2V) PC4-17000 CL15 ECC DDR4 2133MHz LP RDIMM

Table 2. Memory Mirroring Mode DIMM population rules

CPU	Slot
CPU 1	[1, 4] → [9, 12] → [2, 5] → [8, 11] → [3, 6] → [7, 10]
CPU 1 & CPU 2	[1, 4] → [13, 16] → [9, 12] → [21, 24] → [2, 5] → [14, 17] → [8, 11] → [20, 23] → [3, 6] → [15, 18] → [7, 10] → [19, 22]

Table 3. Non-Mirroring Mode DIMM population rules

CPU	Slot
CPU 1	1, 4, 9, 12, 2, 5, 8, 11, 3, 6, 7, 10
CPU 1 & CPU 2	1, 13, 4, 16, 9, 21, 12, 24, 2, 14, 5, 17, 8, 20, 11, 23, 3, 15, 6, 18, 7, 19, 10, 22

Table 4. Rank Spare Mode DIMM Population Rule A: When selected DIMMs are all quad-rank RDIMM

CPU	Slot
CPU 1	1 → 4 → 9 → 12 → 2 → 5 → 8 → 11
CPU 1 & CPU 2	1 → 13 → 4 → 16 → 9 → 21 → 12 → 24 → 2 → 14 → 5 → 17 → 8 → 20 → 11 → 23

Table 5. Rank Spare Mode DIMM Population Rule B: When selected DIMMs are mixing single-/dual-/quad-rank and the total number of DIMMs is even

CPU	Slot
CPU 1	[1, 2] → [4, 5] → [8, 9] → [11, 12] → [3, 6] → [7, 10]
CPU 1 & CPU 2	[1, 2] → [13, 14] → [4, 5] → [16, 17] → [8, 9] → [20, 21] → [11, 12] → [23, 24] → [3, 6] → [15, 18] → [7, 10] → [19, 22]

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Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AJ073	00AJ071	A4TN	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00AJ083	00AJ081	A4TR	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00AJ088	00AJ086	A4TU	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	0..11	12
00AJ093	00AJ091	A4TM	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00AJ098	00AJ096	A4TL	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00AJ123	00AJ121	A4TT	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	0..11	12
00AJ148	00AJ146	A4TP	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00AJ128	00AJ126	A4TS	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00NA223	00NA221	ASBB	300GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0..11	12
00NA233	00NA231	ASBD	600GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0..11	12
00NA243	00NA241	ASBF	600GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0..11	12
00NA253	00NA251	ASBH	900GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0..11	12
00NA263	00NA261	ASBK	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0..11	12
00NA273	00NA271	ASBM	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0..11	12
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0..11	12
SAS Hot-Swap 3.5" HDDs						
-	00FN258*	-	6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..3	4
-	00FN248*	-	4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..3	4
-	00FN238*	-	2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	0..3	4
00FN190	00FN188	A5VP	2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..3	4
00FN210	00FN208	A5VQ	4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..3	4
00FN230	00FN228	A5VR	6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0..3	4
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..3	4
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..3	4
90Y8569	-	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0..3	4
00WG677	00WG675	AT87	300GB 15K 12Gbps SAS 3.5" G2HS HDD	LFF	0..3	4
00WG682	00WG680	AT88	600GB 15K 12Gbps SAS 3.5" G2HS HDD	LFF	0..3	4
SAS Hot-Swap 2.5" Solid State Drives						
00AJ219	00AJ217	A4UC	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
-	00FN424*	-	800GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
-	00FN419*	-	400GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00FN381	00FN379	AS7C	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00FN391	00FN389	AS7E	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00FN401	00FN399	AS7G	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00FN411	00FN409	AS7J	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
-	00AJ222*	-	1.6TB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..9	10
00AJ209	00AJ207	A4UA	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12

00AJ214	00AJ212	A4UB	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
SAS Simple-Swap 2.5" Solid State Drives						
-	00FN414*	-	1.6TB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0..7	8
-	00FN404*	-	800GB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0..7	8
-	00FN394*	-	400GB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0..7	8
-	00FN384*	-	200GB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0..7	8
SATA Hot-Swap 2.5" HDDs						
00AJ138	00AJ136	A4TW	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0..11	12
00AJ143	00AJ141	A4TX	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0..11	12
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	0..11	12
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	0..11	12
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	SFF	0..11	12
SATA Hot-Swap 3.5" HDDs						
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0..3	4
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
81Y9788	-	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
81Y9792	-	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0..3	4
SATA Hot-Swap 2.5" Solid State Drives						
00AJ163	00AJ161	A4U4	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00AJ407	00AJ405	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0..11	12
-	00FN347	-	960GB SATA 2.5" MLC G3HS Entry SSD	SFF	0..11	12
00AJ158	00AJ156	A4U3	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00AJ168	00AJ166	A4U5	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0..11	12
00AJ397	00AJ395	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0..11	12
00AJ402	00AJ400	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0..11	12
00AJ412	00AJ410	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0..11	12
-	00FN337	-	240GB SATA 2.5" MLC G3HS Entry SSD	SFF	0..11	12
00FN344	00FN342	AS0H	480GB SATA 2.5" MLC G3HS Entry SSD	SFF	0..11	12
-	00FN288*	-	S3500 1.6TB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0..7	8
-	00FN278	-	S3500 1.6TB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0..11	12
00AJ173	00AJ171	A4U6	S3500 120GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0..11	12
00AJ178	00AJ176	A4U7	S3500 240GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0..11	12
00AJ183	00AJ181	A4U8	S3500 480GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0..11	12
00AJ188	00AJ186	A4U9	S3500 800GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0..11	12
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0..11	12
00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0..11	12
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0..11	12
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0..11	12
SATA Hot-Swap 3.5" Solid State Drives						
-	00AJ480*	-	S3700 200GB SATA 3.5" MLC HS Enterprise SSD	LFF	0..7	8
00AJ487	00AJ485	A56H	S3700 400GB SATA 3.5" MLC HS Enterprise SSD	LFF	0..7	8
00AJ492	00AJ490	A56J	S3700 800GB SATA 3.5" MLC HS Enterprise SSD	LFF	0..7	8
-	00AJ450*	-	800GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0..7	8
-	00AJ440*	-	240GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0..7	8
00AJ437	00AJ435	A57F	120GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0..7	8
00AJ447	00AJ445	A57H	480GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0..7	8
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	LFF	0..7	8
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	LFF	0..7	8
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	LFF	0..7	8
00YC422	00YC420	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	0..3	4
-	00AJ475*	-	S3500 800GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ470*	-	S3500 480GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ465*	-	S3500 240GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-
-	00AJ460*	-	S3500 120GB SATA 3.5" MLC HS Enterprise Value SSD	-	-	-

SATA Simple-Swap 2.5" HDDs						
00NA607	00NA597	ASLC	500GB 7.2K 6Gbps NL SATA 2.5" G3SS HDD	SFF	0..7	8
00NA632	00NA622	ASLD	1TB 7.2K 6Gbps NL SATA 2.5" G3SS HDD	SFF	0..7	8
00NA538	00NA536	AT82	2TB 7.2K 6Gbps NL SATA 2.5 G3SS 512e HDD	SFF	0..7	8
SATA Simple-Swap 3.5" HDDs						
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0..3	4
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
81Y9804	-	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
81Y9808	-	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0..3	4
SATA Simple-Swap 2.5" Solid State Drives						
-	00FN475*	-	960GB SATA 2.5" MLC G3SS Entry SSD	SFF	0..7	8
-	00FN470*	-	480GB SATA 2.5" MLC G3SS Entry SSD	SFF	0..7	8
-	00FN465*	-	240GB SATA 2.5" MLC G3SS Entry SSD	SFF	0..7	8
Enterprise Capacity MLC Solid State Drives						
00NA673	00NA671	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	0..9	10
SAS Hot-Swap 2.5" SED						
-	00NA306*	-	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0..11	12
-	00NA296*	-	900GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0..11	12
-	00NA286*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0..11	12
-	00NA281*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0..11	12
00NA293	00NA291	ASBR	600GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0..11	12
00NA303	00NA301	ASBT	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0..11	12
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0..11	12
00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0..11	12
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0..11	12
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0..11	12
SAS Hot-Swap 2.5" Hybrid HDDs						
-	00NA321*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	SFF	0..11	12
-	00NA311*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	SFF	0..11	12
Optical drives						
00FL350	00AM066	A5KG	9.5mm Ultra-Slim SATA DVD-ROM	Ultra-Slim	-	1
00FL351	00AM067	A5KH	9.5mm Ultra-Slim SATA Multi-Burner	Ultra-Slim	-	1
Associated HDD Options						
00FK384	00KA058	A5A2	System x3550 M5 2x 2.5" HS HDD Rear Kit	-	-	-
00FK386	00KA055	A59X	System x3550 M5 4x 2.5" HS HDD Kit PLUS	-	-	-
00FK389	00KA056	A59Z	System x3550 M5 4x 2.5 SS HDD Kit PLUS, Non-Raid	-	-	-
00KA053	00KA060	A5A7	System x3550 M5 4x 2.5" SS HDD Kit PLUS, HW RAID	-	-	-
00Y8329	-	A483	Populate and Boot From Rear Drives	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
0	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
1	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
10	2.5in SAS/SATA/ HDD Bay	SFF	N	HDD

11	2.5in SAS/SATA/ HDD Bay	SFF	N	HDD
2	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
3	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
4	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
5	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
6	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
7	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
8	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
9	2.5in SAS/SATA/ HDD Bay	SFF	Y	HDD
0	3.5in SAS/SATA/ HDD Bay	LFF	Y	HDD
1	3.5in SAS/SATA/ HDD Bay	LFF	Y	HDD
2	3.5in SAS/SATA/ HDD Bay	LFF	Y	HDD
3	3.5in SAS/SATA/ HDD Bay	LFF	Y	HDD

* Lenovo has withdrawn this product from marketing.

System x3550 M5 (5463)

Attention:

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- At a glance
- Options

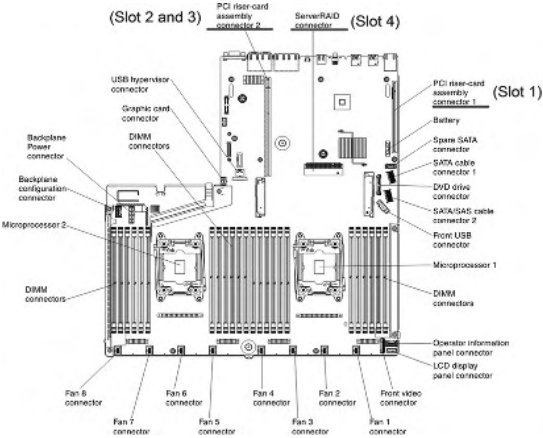
Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe 8x	1,2,3	N	3
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe 8x	1,2,3	N	3
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe 8x	1,2,3	N	3
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe 8x	1,2,3	N	3
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1,2,3	N	3
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1,2,3	N	3
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe 8x	1,2,3	N	2
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe 8x	1,2,3	N	2
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCIe 8x	1,2,3	N	2
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCIe 8x	1,2,3	N	2
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCIe 8x	1,2,3	N	3
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCIe 8x	1,2,3	N	3
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCIe 8x	Dedicated connector	N	1
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCIe 8x	1,2,3	N	3
00AE917	00AE916	A5M1	N2226 SAS/SATA Hba	Half	PCIe 8x	2	N	1
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCIe 8x	Dedicated connector	N	1
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE937	00AE938	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCIe 8x	1,2,3	N	3
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	1,2,3	N	3
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	1,2,3	N	3
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	1,2,3	N	3
00AE993	00AE992	ARYN	6400GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	2	N	1
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCIe x8	1,2,3	N	3
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCIe x8	1,2,3	N	3
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCIe x8	1,2,3	N	3
00JY005	00JY004	ARYS	5200GB Enterprise io3 Flash Adapter	Half	PCIe x8	2	N	1
00ML702	00ML700	AS2V	Blank SD Media for System x	-	-	-	-	-
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1,2,3	N	3
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCIe 4x	1,2,3	N	3

90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCIe 1x	1,2,3	N	3
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCIe 8x	1,2,3	N	3
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCIe 8x	1,2,3	N	3
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCIe 8x	1,2,3	N	3
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1,2,3	N	3
00D1993	00D1994	A40P	Intel X540 ML2 Dual Port 10GbaseT Adapter	Half	PCIe 8x	1	N	1
00D1995	00D1996	A40Q	Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter	Half	PCIe 8x	1	N	1
00D1997	00D1998	A40R	Intel I350-T4 ML2 Quad Port GbE Adapter	Half	PCIe 8x	1	N	1
00D2025	00D2026	A40S	Broadcom NetXtreme II ML2 Dual Port 10GbaseT	Half	PCIe 8x	1	N	1
00D2027	00D2028	A40T	Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+	Half	PCIe 8x	1	N	1
00D8545	00D8544	A4NZ	Emulex VFA5 ML2 FCoE/iSCSI License (FoD)	-	-	-	-	-
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCIe 8x	1,2,3	N	3
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCIe 4x	1,2,3	N	3
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCIe 4x	1,2,3	N	3
90Y9374	-	A2VX	Broadcom NetXtreme I Quad Port GbE Adapter - 2U Bracket	-	-	-	-	-
90Y9377	-	A2VY	Broadcom NetXtreme I Dual Port GbE Adapter - 2U Bracket	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCIe 8x	1,2,3	N	2
95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Low Profile	PCIe 8x	1,2,3	N	3
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Low Profile	PCIe 8x	1,2,3	N	3
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Low Profile	PCIe 16x	1,2,3	N	3
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Low Profile	PCIe 8x	1,2,3	N	3
47C9978	47C9977	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Less than half length (134mm)	PCIe 8x	1,2,3	N	3
00FP653	00FP650	A5RK	Mellanox ConnectX-3 Pro ML2 2x40GbE/FDR VPI Adapter	Half	PCIe 8x	1	N	1
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCIe 8x	1,2,3	N	3
00JY825	-	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCIe 8x	1,2,3	N	3
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCIe 8x	1,2,3	N	3
94Y5201	94Y5200	AS74	Intel X710 ML2 4x10GbE SFP+ Adapter	Half	PCIe 8x	1	N	1
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCIe 4x	1,2,3	N	3
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCIe 8x	1,2,3	N	3
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCIe 8x	1,2,3	N	3
00D9679	-	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCIe 4x	1,2,3	N	3
Video Adapters								
90Y2384	-	A3WH	NVIDIA Quadro K600	Half Length (6.3")	PCIe 16x	2	N	1
Other I/O								
46C3446	46C3447	5053	SFP+ SR Transceiver	-	-	-	-	-
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00KA488	00KA500	A5FW	System x Gen-II Universal Slides Kit	-	-	-	-	-
59Y1895	-	3726	1m Intel QDR InfiniBand Copper QSFP Cable	-	-	-	-	-
59Y1923	-	3732	10m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00MP054	00ML233	ASN6	USB Memory Key for VMware ESXi 5.1 Update 2	-	-	-	-	-
00MP055	00ML235	ASN7	USB Memory Key for VMware ESXi 5.5 Update 2	-	-	-	-	-

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Figure 1. Slots information



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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	Support low profile or ML2 card	-	3.3v/12v	8Gb	x16	No	LP/60mm
PCI Slot 2	Support low profile or full height half length card	-	3.3v/12v	8Gb	x8 or x16	No	LP/FHHL
PCI Slot 3	Support low profile card	-	3.3v/12v	8Gb	x8 or x16	No	LP/FHHL

* Lenovo has withdrawn this product from marketing.

System x3550 M5 (5463)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
00FK390	00KA094	A5AX	System x 550W High Efficiency Platinum AC Power Supply
00FK391	00KA096	A5AY	System x 750W High Efficiency Platinum AC Power Supply
00FK392	00KA097	A5AZ	System x 750W High Efficiency Titanium AC Power Supply (200-240V)
00FK393	00KA098	A5B0	System x 900W High Efficiency Platinum AC Power Supply
00MV209	00MV211	ASPQ	System x 1500W High Efficiency Platinum AC Power Supply
00MV210	00MV212	ASPR	System x 900W High Efficiency -48 V DC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module

-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade
00FK359	00KA607	A5AL	System x Enterprise 1U Cable Management Arm (CMA)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Universal Management Gateway			
-	3858D3X*	-	Avocent Universal Management Gateway 6000 for IBM
Keyboard and Mouse			
00FK351	-	A5AB	System x Advanced LCD Light Path Kit
47C8819	-	A47F	Super Cap Cable 925mm for ServRAID M5200 Series Flash
59Y1919	-	3731	3m Intel QDR InfiniBand Optical QSFP Cable
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+to-QSFP+ cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
-	46W6712	-	Keyboard w/ Int. Pointing Device USB - US Eng 103P RoHS v2
Associated Options			
42C2060	-	3708	1M SAS Cable
42C2061	-	3707	3M SAS Cable

39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00AK140	00AK142	A4X4	UM KVM Module VGA+SD Dual RJ45
00FK357	-	A5AJ	System x3550 M5 Thermal Kit
00FK358	00KA606	A5AK	System x3550 M5 Slide Kit G4
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
Fiber Cables			
00KF043	-	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	-	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	-	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	-	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	-	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	-	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	-	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	-	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	-	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
46C7466	-	6400	2.8m, 13A/125-10A/250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3630 M4 (7158)

Attention:

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- At a glance
- Options

Table 1. System x3630 M4 (7158) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Rack cord)3	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7158-A2Y	-	Intel Xeon Processor E5-2403 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-A4Y	-	Intel Xeon Processor E5-2403 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-B2Y	-	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-B4Y	-	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-C2Y	-	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-C4Y	31 March 2015	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-C6Y	-	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-D2Y	-	Intel Xeon Processor E5-2430 6C 2.2GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-F2Y	-	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-F4Y	-	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-G2Y	-	Intel Xeon Processor E5-2450 8C 2.1GHz 20MB Cache 1600MHz 95W	2/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-H2Y	-	Intel Xeon Processor E5-2470 8C 2.3GHz 20MB Cache 1600MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-J2Y	-	Intel Xeon Processor E5-2450L 8C 1.8GHz 20MB Cache 1600MHz 70W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-EAY4	30 June 2014	Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-EBY4	31 December 2014	Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-ECY4	31 December 2014	Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	2/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-A3Y	30 June 2015	Intel Xeon Processor E5-2430v2 6C 2.5GHz 15MB Cache 1600MHz 80W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-A5Y	30 June 2015	Intel Xeon Processor E5-2420v2 6C 2.5GHz 15MB Cache 1600MHz 80W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-B3Y	30 June 2015	Intel Xeon Processor E5-2407v2 10C 2.4GHz 25MB Cache 1600MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-B5Y	30 June 2015	Intel Xeon Processor E5-2407v2 10C 2.4GHz 25MB Cache 1600MHz 95W	1/2	4GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-C3Y	30 June 2015	Intel Xeon Processor E5-2420v2 6C 2.2GHz 15MB Cache 1600MHz 80W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-D3Y	30 June 2015	Intel Xeon Processor E5-2430v2 6C 2.5GHz 15MB Cache 1600MHz 80W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-EDY4	31 March 2015	Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-EEY4	31 March 2015	Intel Xeon Processor E5-2420v2 6C 2.2GHz 15MB Cache 1600MHz 80W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-EFY4	-	Intel Xeon Processor E5-2440v2 8C 1.9GHz 20MB Cache 1600MHz 95W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y
7158-F5Y	30 June 2015	Intel Xeon Processor E5-2440v2 8C 1.9GHz 20MB Cache 1600MHz 95W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y

7158-G3Y	30 June 2015	Intel Xeon Processor E5-2450v2 8C 2.5GHz 20MB Cache 1600MHz 95W	1/2	8GB / 384GB	2U rack	1/2 RC	P,H	Y

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Table 1. System x3630 M4 (7158) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/avail)	Slots (total/avail)
7158-A2Y	-	Dual 1Gbe	SATA	Simple Swap 3.5" SATA	0GB / 12TB	Optional	4/4	3/3
7158-A4Y	-	Dual 1Gbe	SATA	Simple Swap 3.5" SATA	0GB / 24TB	Optional	8/8	3/3
7158-B2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	Optional	8/8	3/3
7158-B4Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 36TB	None	12/12	4/5
7158-C2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	Optional	8/8	4/5
7158-C4Y	31 March 2015	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	500GB / 24TB	SATA Multiburner	7/8	4/5
7158-C6Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	500GB / 36TB	None	11/12	4/5
7158-D2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 36TB	None	12/12	4/5
7158-F2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 36TB	None	12/12	4/5
7158-F4Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	Optional	8/8	4/5
7158-G2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	Optional	8/8	4/5
7158-H2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 36TB	None	12/12	4/5
7158-J2Y	-	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 36TB	None	12/12	4/5
7158-EAY ⁴	30 June 2014	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	SATA Multiburner	8/8	4/5
7158-EBY ⁴	31 December 2014	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	SATA Multiburner	8/8	4/5
7158-ECY ⁴	31 December 2014	Dual 1Gbe	SATA	Hot Swap 3.5" SATA	0GB / 24TB	SATA Multiburner	8/8	4/5
7158-A3Y	30 June 2015	Dual 1Gbe	SAS/SATA	Simple Swap 3.5" SATA	0GB / 24TB	Optional	4/4	3/3
7158-A5Y	30 June 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	Optional	8/8	3/3
7158-B3Y	30 June 2015	Dual 1Gbe	SAS/SATA	Simple Swap 3.5" SATA	0GB / 24TB	Optional	8/8	3/3
7158-B5Y	30 June 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	None	12/12	4/5
7158-C3Y	30 June 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	Optional	8/8	4/5
7158-D3Y	30 June 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	None	12/12	4/5
7158-EDY ⁴	31 March 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	SATA Multiburner	8/8	4/5
7158-EEY ⁴	31 March 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	SATA Multiburner	8/8	4/5
7158-EFY ⁴	-	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	None	12/12	4/5
7158-F5Y	30 June 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	Optional	8/8	4/5
7158-G3Y	30 June 2015	Dual 1Gbe	SAS/SATA	Hot Swap 3.5" SAS/SATA	0GB / 24TB	Optional	8/8	4/5

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7158-B2Y is 7158-B2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
- LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
- TopSeller model.

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System x3630 M4 (7158)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	90Y6384*	-	Addl Intel Xeon Processor E5-2430L 6C 2.0GHz 15MB Cache 1333MHz 60W	-
-	90Y6368*	-	Addl Intel Xeon Processor E5-2450L 8C 1.8GHz 20MB Cache 1600MHz 70W	-
-	90Y6367*	-	Addl Intel Xeon Processor E5-2403 4C 1.8GHz 10MB Cache 1066MHz 80W	-
-	90Y6365*	-	Addl Intel Xeon Processor E5-2407 4C 2.2GHz 10MB Cache 1066MHz 80W	-
-	90Y6364*	-	Addl Intel Xeon Processor E5-2420 6C 1.9GHz 15MB Cache 1333MHz 95W	-
-	90Y6363*	-	Addl Intel Xeon Processor E5-2430 6C 2.2GHz 15MB Cache 1333MHz 95W	-
-	90Y6362*	-	Addl Intel Xeon Processor E5-2440 6C 2.4GHz 15MB Cache 1333MHz 95W	-
-	90Y6361*	-	Addl Intel Xeon Processor E5-2450 8C 2.1GHz 20MB Cache 1600MHz 95W	-
-	90Y6356*	-	Addl Intel Xeon Processor E5-2470 8C 2.3GHz 20MB Cache 1600MHz 95W	-
-	00Y7439	-	Addl Intel Xeon Processor E5-2448L v2 10C 2.0GHz 25MB 1600MHz 70W	-
-	00Y7438	-	Addl Intel Xeon Processor E5-2428L v2 8C 2.4GHz 20MB 1333MHz 60W	-
-	00Y7437	-	Addl Intel Xeon Processor E5-2418L v2 6C 2.0GHz 15MB 1333MHz 45W	-
-	00J6389	-	Addl Intel Xeon Processor E5-2450L v2 10C 1.7GHz 25MB 1600MHz 60W	-
-	00J6388	-	Addl Intel Xeon Processor E5-2430L v2 6C 2.4GHz 15MB 1600MHz 60W	-
-	00J6387	-	Addl Intel Xeon Processor E5-2470L v2 10C 2.4GHz 25MB 1600MHz 95W	-
-	00J6386	-	Adl Intel Xeon Processor E5-2450 v2 8C 2.5GHz 20MB Cache 1600MHz 95W	-
-	00J6385	-	Adl Intel Xeon Processor E5-2440 v2 8C 1.9GHz 20MB Cache 1600MHz 95W	-
-	00J6384	-	Adl Intel Xeon Processor E5-2430 v2 6C 2.5GHz 15MB Cache 1600MHz 80W	-
-	00J6383	-	Adl Intel Xeon Processor E5-2420 v2 6C 2.2GHz 15MB Cache 1600MHz 80W	-
-	00J6382	-	Adl Intel Xeon Processor E5-2407 v2 4C 2.4GHz 10MB Cache 1333MHz 80W	-
-	00J6381	-	Adl Intel Xeon Processor E5-2403 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	-

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* Lenovo has withdrawn this product from marketing.



System x3630 M4 (7158)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	49Y1397	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1407	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1406	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3109	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1559	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1399*	-	8GB (1x8GB, 4Rx8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	90Y3178	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3105	-	32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM
-	00D4968	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	46W0761	-	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM
-	46W0672	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5044	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5036	-	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5024	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5016	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
-	00D5012	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, A4Y, B2Y, B4Y, C2Y, D2Y, F2Y, G2Y, H2Y, J2Y	1*4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
F4Y	2*4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM

Table 2. DIMM Population Sequence (Independent Mode)

CPU	Slot
One CPU	1, 3, 5, 2, 4, 6
Two CPU	1, 7, 3, 9, 5, 11, 2, 8, 4, 10, 6, 12

Table 3. DIMM Population Sequence (Independent Mode)

CPU	Slot
One CPU	1, 3, 5, 2, 4, 6
Two CPU	1, 7, 3, 9, 5, 11, 2, 8, 4, 10, 6, 12

Table 4. DIMM Population Sequence (Mirrored Channel Mode)

CPU	Slot
One CPU	[1, 5], [2, 6]
Two CPU	[1, 5], [7, 11], [2, 6], [8, 12]

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* Lenovo has withdrawn this product from marketing.

System x3630 M4 (7158)

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 3.5" HDDs						
-	90Y8577	-	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€13	14
-	90Y8567	-	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€13	14
-	49Y6102	-	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€13	14
-	49Y6092	-	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€13	14
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€13	14
-	90Y8572	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€13	14
-	49Y6210	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	0â€13	14
-	00W1543	-	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0â€13	14
-	00W1533*	-	2TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0â€13	14
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	-	-	-
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	-	-	-
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	-	-	-
-	00ML213	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	-	-	-
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	-	-	-
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	-	-	-
SAS Hot-Swap 3.5" Solid State Drives						
-	00W1316*	-	800GB SAS 3.5" MLC HS Enterprise SSD	LFF	0â€13	14
-	00W1311*	-	400GB SAS 3.5" MLC HS Enterprise SSD	LFF	0â€13	14
-	00W1306*	-	200GB SAS 3.5" MLC HS Enterprise SSD	LFF	0â€13	14
SATA Hot-Swap 3.5" HDDs						
-	81Y9798	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
-	81Y9794	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
-	81Y9790	-	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
-	81Y9786	-	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
-	49Y6002	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€7	8
-	00FN173	-	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00FN143	-	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00FN113	-	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
SATA Hot-Swap 3.5" Solid State Drives						
-	00W1301*	-	512GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00W1296*	-	256GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00W1291*	-	128GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00W1286*	-	64GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00AJ480*	-	S3700 200GB SATA 3.5" MLC HS Enterprise SSD	LFF	0â€13	14
-	00AJ475*	-	S3500 800GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00AJ470*	-	S3500 480GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00AJ465*	-	S3500 240GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00AJ460*	-	S3500 120GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
00AJ487	00AJ485	A56H	S3700 400GB SATA 3.5" MLC HS Enterprise SSD	LFF	0â€13	14

00AJ492	00AJ490	A56J	S3700 800GB SATA 3.5" MLC HS Enterprise SSD	LFF	0â€¸13	14
-	00AJ445	-	480GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€¸13	14
-	00AJ440*	-	240GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€¸13	14
-	00AJ435	-	120GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€¸13	14
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	LFF	0â€¸13	14
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	LFF	0â€¸13	14
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	LFF	0â€¸13	14
SATA Simple-Swap 3.5" HDDs						
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¸7	8
-	81Y9810	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¸7	8
-	81Y9806	-	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¸7	8
-	81Y9802	-	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¸7	8
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¸7	8
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¸7	8
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¸7	8
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¸7	8
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¸7	8
Associated HDD Options						
-	00D9051	-	x3630 M4 ODD Cage assembly	-	-	-
-	00D9034	-	3.5" Hot Swap Cage Assembly, Rear, 2 x 3.5"	-	-	-
-	90Y4349	-	8-Pack ServeRAID C105 Controller Enabler	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

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Table 1. HDD drive bays				
Bay	Form Factor	Height	Front access	Usage
3.5" Simple-Swap HDD				
0	3.5" S/S	LFF	Y	HDD
1	3.5" S/S	LFF	Y	HDD
2	3.5" S/S	LFF	Y	HDD
3	3.5" S/S	LFF	Y	HDD
4	3.5" S/S	LFF	Y	HDD
5	3.5" S/S	LFF	Y	HDD
6	3.5" S/S	LFF	Y	HDD
7	3.5" S/S	LFF	Y	HDD
3.5" Hot-Swap HDD				
0	3.5" H/S	LFF	Y	HDD
1	3.5" H/S	LFF	Y	HDD
10	3.5" H/S	LFF	Y	HDD
11	3.5" H/S	LFF	Y	HDD
12	3.5" H/S	LFF	Y	HDD
13	3.5" H/S	LFF	Y	HDD
2	3.5" H/S	LFF	Y	HDD
3	3.5" H/S	LFF	Y	HDD
4	3.5" H/S	LFF	Y	HDD
5	3.5" H/S	LFF	Y	HDD
6	3.5" H/S	LFF	Y	HDD
7	3.5" H/S	LFF	Y	HDD
8	3.5" H/S	LFF	Y	HDD
9	3.5" H/S	LFF	Y	HDD

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Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	49Y4218	-	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	42C1820*	-	Brocade 10Gb CNA	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42C1800*	-	QLogic 10Gb CNA	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	46M0907	-	6Gb SAS HBA	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4

-	81Y4492	-	ServeRAID H1110 SAS/SATA Controller	Half	PCI-E x8	1U Riser: 3 2U Riser: 5	N	1
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCI-E	1U Riser: 3 2U Riser: 5	N	1
-	81Y4542	-	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4559	-	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4508	-	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
-	81Y4546	-	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
-	81Y4544	-	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4484	-	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
-	81Y4478	-	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	81Y4448	-	ServeRAID M1115 SAS/SATA Controller	Half	PCI-E x8	1U Riser: 3 2U Riser: 5	N	1
-	81Y4481	-	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	1U Riser: 3 2U Riser: 5	N	1
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	81Y1655	-	Emulex 16Gb FC Single-port HBA	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	95Y3760	-	Emulex VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x4	1U Riser: 2,1 2U Riser: 4,2,1	N	3
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1U Riser: 2,1 2U Riser: 4,2,1	N	3
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1U Riser: 2,1 2U Riser: 4,2,1	N	3
-	90Y4318	-	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	90Y4273	-	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	46C9010	-	N2125 SAS/SATA Hba	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	2
-	46C8988	-	N2115 SAS/SATA Hba	Half	PCI-E x4	1U Riser: 3 2U Riser: 5	N	1
-	90Y4373*	-	300GB High IOPS SLC Modular Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y4369*	-	800GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y4365*	-	600GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y4361*	-	300GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE867*	-	Flash Adapter F3200 Enterprise Value	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4

-	00AE864*	-	Flash Adapter F1650 Enterprise Value	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE861*	-	Flash Adapter F825 Enterprise Value	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	47C8670	-	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00AE916	-	N2226 SAS/SATA Hba	Half	PCIe x16	1U Riser: 1 2U Riser: 1	N	1
-	00AE912	-	N2225 SAS/SATA Hba	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2	N	2
-	00JY001	-	2600GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE998	-	1300GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE995	-	1000GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2	N	2
-	00AE989	-	3200GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE986	-	1600GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AE983	-	1250GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42C1780	-	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	49Y4216	-	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	95Y3762*	-	Emulex Dual Port 10GbE SFP+ VFA III	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y9314	-	Intel I-350 Embedded Dual Port GbE Activation for IBM System x (FoD)	-	-	-	-	-

-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-E x4	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	49Y7970	-	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	90Y4600	-	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00Y5624	-	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	47C9952	-	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	-	-	-	-	-
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00D9676	-	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00JY830	-	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	00JY824	-	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
-	00JY820	-	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	81Y3520	-	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E 8x	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
Systems Management								
-	90Y3901	-	Integrated Management Module Advanced Upgrade	-	-	-	-	-
-	90Y3900	-	Integration Management Module Standard Upgrade	-	-	-	-	-
Other I/O								
-	81Y9990*	-	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	PCI-E x8	1U Riser: 1,2 2U Riser: 1,2,3,4	N	4
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-

-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
-	90Y6383	-	PCIe Riser Card 2 (1 x16 LP Slot + 1 x4 LP for Slotless RAID)	-	-	-	-	-
-	90Y6381	-	PCIe Riser Card 1 (1 x16 FH/FL Slot)	-	-	-	-	-
-	00D8604	-	PCIe Riser Card 2 (2 x8 LP Slots + 1 x4 LP for Slotless RAID)	-	-	-	-	-
-	00D8603	-	PCIe Riser Card 2 (1 x8 LP for Slotless RAID)	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
-	00ML200	-	32GB Enterprise Value USB Memory Key	-	-	-	-	-
-	44T1364	-	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF013	-	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
-	00KF006	-	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF005	-	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF004	-	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF003	-	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
-	00KF002	-	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-

Note:
1. If SBB 46M0914 (FC 3876) is selected, and one of SBB<81Y4450(FC A1MZ), 81Y4483(FC A1WW), 81Y4493(FC A1XL)> is selected. SBB<81Y4450(FC A1MZ), 81Y4483(FC A1WW), 81Y4493(FC A1XL)> must be installed first. If VA 43V5932 (FC A13K) is selected it need to be intall first.

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	PCI-E x16 or PCI-E x8 depends on Riser	-	-	-	-	N	-
PCI Slot 2	PCI-E x8	-	-	-	-	N	-
PCI Slot 3	PCI-E x16 or PCI-E x8 depends on Riser	-	-	-	-	N	-
PCI-Slot 4	PCI-E x8	-	-	-	-	N	-
PCI-Slot 5	PCI-E x4 slot or PCI-E x8 slot depends on Riser	-	-	-	-	N	-

* Lenovo has withdrawn this product from marketing.

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
-	94Y6668	-	550W High Efficiency Platinum AC Power Supply
-	94Y6669	-	750W High Efficiency Platinum AC Power Supply
-	94Y6667	-	900W High Efficiency Platinum AC Power Supply
-	94Y7631	-	750W High Efficiency -48 V DC Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	39Y8857*	-	IBM UPS 3U Online Battery Pack
-	21304RX*	-	IBM UPS 10000Xhv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)

-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
-	00AL388	-	x3630 M4 Rear Fan Kit
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9201*	-	IBM 3 Button Optical Mouse - Black - USB
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
-	39R6531	-	3M SAS Cable
-	39R6529	-	1M SAS Cable
-	00W2146	-	Rail Kit for x3650 M4 BD, x3630 M4 and x3530 M4
-	90Y6533	-	Lightpath Upgrade kit
Fiber Cables			
-	00KF012	-	30m Mellanox Active IB FDR Optical Fiber Cable
-	00KF011	-	20m Mellanox Active IB FDR Optical Fiber Cable
-	00KF010	-	15m Mellanox Active IB FDR Optical Fiber Cable
-	00KF009	-	10m Mellanox Active IB FDR Optical Fiber Cable
-	00KF008	-	5m Mellanox Active IB FDR Optical Fiber Cable
-	00KF007	-	3m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable

-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3630 M4 (7158)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	39M5636*	-	DDS Gen 6 USB Tape Drive	Internal	USB	-	-
-	46C5399*	-	DDS Generation 5 USB Tape Drive	Internal	USB	-	-
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	90Y6370*	-	USB Tape Drive Cage assembling kit	-	-	-	-
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-
-	44E8869*	-	USB Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915)

Attention:

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- At a glance
- Options

Table 1. System x3650 M4 (7915) at-a-glance

Part number ¹	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord) ²	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7915-A2Y	30 June 2015	Intel Xeon Processor E5-2603 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-B2Y	30 June 2015	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-C2Y	30 June 2015	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-C4Y	30 June 2015	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-D2Y	30 June 2015	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-F2Y	30 June 2015	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-G2Y	30 June 2015	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-52Y	30 June 2015	Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB Cache 1600MHz 70W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-H2Y	30 June 2015	Intel Xeon Processor E5-2660 8C 2.2GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-62Y	30 June 2015	Intel Xeon Processor E5-2665 8C 2.4GHz 20MB Cache 1600MHz 115W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-J2Y	30 June 2015	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-L2Y	30 June 2015	Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EAY	31 December 2014	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EBY	31 December 2014	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-ECY	31 December 2014	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EDY	31 December 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	16GB / 768GB	2U Rack	2/2 LC	P,H,F	Y
7915-EEY	31 December 2014	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-32Y	30 June 2015	Intel Xeon Processor E5-2643 4C 3.3GHz 10MB Cache 1600MHz 130W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-GSY	30 June 2014	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	32GB / 768GB	2U Rack	2/2 LC	P,H,F	Y
7915-M2Y	30 June 2015	Intel Xeon Processor E5-2690 8C 2.9GHz 20MB Cache 1600MHz 135W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y

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Table 1. System x3650 M4 (7915) at-a-glance (continued)

Part number ¹	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	Optical drive	Bays (total/ avail) ⁴	Slots (total/ avail) ⁵
7915-A2Y	30 June 2015	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-B2Y	30 June 2015	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6

7915-C2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-C4Y	30 June 2015	Quad 1Gb	ServerRAID M5110e	LFF Hot-Swap	0GB/36TB	Optional	8/8	6/6
7915-D2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-F2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-G2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-52Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-H2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-62Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-J2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-L2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-EAY	31 December 2014	Quad 1Gb	ServerRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/25.6TB	SATA Multi-Burner	18/17	6/6
7915-EBY	31 December 2014	Quad 1Gb	ServerRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/25.6TB	SATA Multi-Burner	18/17	6/6
7915-ECY	31 December 2014	Quad 1Gb	ServerRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/25.6TB	SATA Multi-Burner	18/17	6/6
7915-EDY	31 December 2014	Quad 1Gb	ServerRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/25.6TB	SATA Multi-Burner	18/17	6/6
7915-EEY	31 December 2014	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/25.6TB	SATA Multi-Burner	18/17	6/6
7915-32Y	30 June 2015	Quad 1Gb	ServerRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-GSY	30 June 2014	Quad 1Gb	ServerRAID M5110e + 1GB Flash	SFF Hot-Swap	5.2TB/28.8TB	Optional	18/10	6/6
7915-M2Y	30 June 2015	Quad 1Gb	ServerRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7915-F2Y is 7915-F2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
4. with 81Y6836 Upgrade Kit to total 16 2.5" HDD bays
5. with additional Riser Card to upgrade total 6 PCI slots
6. TopSeller model.

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System x3650 M4 (7915)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00FJ762	-	A4ZB	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB 1333MHz 80W(2nd GPU)	-
00FJ763	-	A4ZC	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB 1333MHz 80W(2nd GPU)	-
00FJ764	-	A4ZD	Intel Xeon Processor E5-2637 v2 4C 3.5GHz15MB 1866MHz 130W(2nd GPU)	-
00FJ765	-	A4ZE	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB 1600MHz 80W(2nd GPU)	-
00FJ766	-	A4ZF	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB 1600MHz 80W(2nd GPU)	-
00FJ767	-	A4ZG	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB 1866MHz 95W(2nd GPU)	-
00FJ768	-	A4ZH	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB 1866MHz 95W(2nd GPU)	-
00FJ769	-	A4ZJ	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB 1600MHz 95W(2nd GPU)	-
00FJ770	-	A4ZK	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 1866MHz 115W(2nd GPU)	-
00FJ771	-	A4ZL	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 1866MHz 115W(2nd GPU)	-
00FJ772	-	A4ZM	Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB 1866MHz 130W(2nd GPU)	-
00FJ773	-	A4ZN	Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB 1866MHz 130W(2nd GPU)	-
00FJ774	-	A4ZP	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 1866MHz 115W(2nd GPU)	-
00FJ775	-	A4ZQ	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 1866MHz 130W(2nd GPU)	-
00FJ776	-	A51W	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 1600MHz 70W(2nd GPU)	-
00FJ777	-	A4ZR	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB 1600MHz 60W(2nd GPU)	-
00FJ778	-	A4ZS	Intel Xeon Processor E5-2690 v2 10C 3.0GHz 1866MHz 130W(2nd GPU)	-
00FJ779	-	A4ZT	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHz 70W(2nd GPU)	-
00FJ780	-	A4ZU	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 1866MHz 70W(2nd GPU)	-
-	59Y4014*	-	Intel Xeon Processor X5680 6C 3.33GHz 12MB Cache 1333MHz 130w W/Fan	-
-	59Y4011*	-	Intel Xeon Processor X5670 6C 2.93GHz 12MB Cache 1333MHz 95w W/Fan	-
-	59Y4010*	-	Intel Xeon Processor X5660 6C 2.80GHz 12MB Cache 1333MHz 95w W/Fan	-
-	59Y4009*	-	Intel Xeon Processor X5650 6C 2.66GHz 12MB Cache 1333MHz 95w W/Fan	-
-	59Y4008*	-	Intel Xeon Processor E5640 4C 2.66GHz 12MB Cache 1066MHz 80w W/Fan	-
-	59Y4007*	-	Intel Xeon Processor E5630 4C 2.53GHz 12MB Cache 1066MHz 80w W/Fan	-
-	59Y4006*	-	Intel Xeon Processor E5620 4C 2.40GHz 12MB Cache 1066MHz 80w W/Fan	-
-	59Y4005*	-	Intel Xeon Processor L5640 6C 2.26GHz 12MB Cache 1333MHz 60w W/Fan	-
-	59Y4004*	-	Intel Xeon Processor L5630 4C 2.13GHz 12MB Cache 1066MHz 40w W/Fan	-
-	59Y4003*	-	Intel Xeon Processor L5609 4C 1.86GHz 12MB Cache 1066MHz 40w W/Fan	-
-	59Y4002*	-	Intel Xeon Processor E5507 4C 2.26GHz 4MB Cache 800MHz 80w W/Fan	-
-	59Y4001*	-	Intel Xeon Processor E5503 2C 2.00GHz 4MB Cache 800MHz 80w W/Fan	-
-	59Y3961*	-	Intel Xeon Processor E5520 4C 2.26GHz 8MB Cache 1066MHz 80w W/Fan	-
-	59Y3959*	-	Intel Xeon Processor X5570 4C 2.93GHz 8MB Cache 1333MHz 95w W/Fan	-
-	59Y3958*	-	Intel Xeon Processor X5560 4C 2.80GHz 8MB Cache 1333MHz 95w W/Fan	-
-	59Y3957*	-	Intel Xeon Processor X5550 4C 2.66GHz 8MB Cache 1333MHz 95w W/Fan	-
-	59Y3956*	-	Intel Xeon Processor E5530 4C 2.40GHz 8MB Cache 1066MHz 80w W/Fan	-
-	59Y3954*	-	Intel Xeon Processor E5506 4C 2.13GHz 4MB Cache 800MHz 80w W/Fan	-
-	59Y4013*	-	Intel Xeon Processor X5677 4C 3.46GHz 12MB Cache 1333MHz 130w W/Fan	-
-	59Y4012*	-	Intel Xeon Processor X5667 4C 3.06GHz 12MB Cache 1333MHz 95w W/Fan	-
-	59Y3963*	-	Intel Xeon Processor E5540 4C 2.53GHz 8MB Cache 1066MHz 80w W/Fan	-
-	59Y3960	-	Intel Xeon Processor E5504 4C 2.00GHz 4MB Cache 800MHz 80w W/Fan	-
Additional processor				

-	69Y5323*	-	Addl Intel Xeon Processor E5-2603 4C 1.8GHz 10MB 80W W/Fan	-
-	69Y5325*	-	Addl Intel Xeon Processor E5-2609 4C 2.4GHz 10MB 80W W/Fan	-
-	69Y5326*	-	Addl Intel Xeon Processor E5-2620 6C 2.0GHz 15MB 95W W/Fan	-
-	69Y5327*	-	Addl Intel Xeon Processor E5-2630 6C 2.3GHz 15MB 95W W/Fan	-
-	94Y6686*	-	Addl Intel Xeon Processor E5-2637 2C 3.0GHz 5MB 80W W/Fan	-
-	69Y5328*	-	Addl Intel Xeon Processor E5-2640 6C 2.5GHz 15MB 95W W/Fan	-
-	94Y6604*	-	Addl Intel Xeon Processor E5-2643 4C 3.3GHz 10MB 130W W/Fan	-
-	69Y5329*	-	Addl Intel Xeon Processor E5-2650 8C 2.0GHz 20MB 95W W/Fan	-
-	00D9450*	-	Addl Intel Xeon Processor E5-2658 8C 2.1GHz 20MB 95W W/Fan	-
-	69Y5330*	-	Addl Intel Xeon Processor E5-2660 8C 2.2GHz 20MB 95W W/Fan	-
-	94Y6687*	-	Addl Intel Xeon Processor E5-2665 8C 2.4GHz 20MB 115W W/Fan	-
-	69Y5333*	-	Addl Intel Xeon Processor E5-2667 6C 2.9GHz 15MB 130W W/Fan	-
-	94Y6602*	-	Addl Intel Xeon Processor E5-2670 8C 2.6GHz 20MB 115W W/Fan	-
-	69Y5331*	-	Addl Intel Xeon Processor E5-2680 8C 2.7GHz 20MB 130W W/Fan	-
-	94Y6685*	-	Addl Intel Xeon Processor E5-2690 8C 2.9GHz 20MB 135W W/Fan	-
-	94Y6603*	-	Addl Intel Xeon Processor E5-2630L 6C 2.0GHz 15MB 60W W/Fan	-
-	00D9451*	-	Addl Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB 70W W/Fan	-
-	69Y5336*	-	Addl Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB 70W W/Fan	-

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915)

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At a glance Options			
Processor Memory HDD I/O Pwr Acc Tape			
SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	46C7449*	-	8GB (1x8GB) Dual Rank PC3-10600 CL9 ECC DDR3-1333 LP RDIMM
-	44T1569*	-	2GB (1x2GB, Dual Rankx8) PC3-10600 CL9 ECC DDR3-1333MHz LP UDIMM
-	49Y1436*	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1435*	-	4GB (1x4GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1434*	-	2GB (1x2GB, 1Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1433*	-	2GB (1x2GB, 2Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1394*	-	4GB (1x4GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1392*	-	2GB (1x2GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	00D4964*	-	16GB (1x16GB, 1.5V)PC3-10600 CL9 ECC DDR3 1333MHz LP HyperCloud DIMM
-	46W0767*	-	32GB(1x32GB,1.35V)PC3L-10600 CL9 ECC DDR3 1333MHz LP HyperCloud DIMM
-	00D5004*	-	32GB (1x32GB, 1.5V) PC3-8500 CL7 ECC DDR3 1066MHz LP HyperCloud DIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
49Y1388	49Y1406	8941	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y1389	49Y1407	8942	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y1558	49Y1559	A28Z	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
90Y3177	90Y3178	A24L	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1399*	-	8GB (1x8GB, 4Rx8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
49Y1379	49Y1397	8923	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
90Y3108	90Y3109	A292	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
49Y1562	49Y1563	A1QT	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
00D4967	00D4968	A2U5	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
90Y3104	90Y3105	A291	32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM
Memory-channel storage			
00FE002	00FE000	A4GX	eXFlash 200GB DDR3 Storage DIMM
00FE007	00FE005	A4GY	eXFlash 400GB DDR3 Storage DIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y	1 * 4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
52Y, 62Y, EEY, G2Y, H2Y, J2Y, L2Y	1 * 8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
C2Y, C4Y, D2Y, EBY, ECY, F2Y	1 * 8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
EDY	2 * 8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
EAY	1 * 4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
GSY	4 * 8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
M2Y, 32Y	1 * 4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
EFY, EGY, EHY	1 * 8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
EJY, EKY	1 * 16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM

CCY, CEY	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM

Table 2. DIMM Install Order

CPU	Slot
One CPU	1,4,9,12,2,5,8,11,3,6,7,10
Two CPU	1,13,4,16,9,21,12,24,2,14,5,17,8,20,11,23,3,15,6,18,7,19,10,22

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0â€¦15	16
00AD087	00AD085	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	0â€¦15	16
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0â€¦15	16
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0â€¦15	16
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0â€¦15	16
00AJ302	00AJ300	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0â€¦15	16
00NA443	-	ASCD	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	SFF	0â€¦15	16
-	42D0672*	-	IBM 73GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	-	-	-
-	44W2294*	-	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS SED	-	-	-
-	44W2264*	-	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS SED	-	-	-
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0â€¦15	16
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0â€¦15	16
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0â€¦15	16
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
90Y8915	90Y8913	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
-	42D0632*	-	146GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	0â€¦15	16
SAS Hot-Swap 3.5" HDDs						
00W1535	-	A4AH	2TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0â€¦5	6
00W1545	00W1543	A4AJ	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0â€¦5	6
49Y6212	49Y6210	A4AF	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	0â€¦5	6
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€¦5	6
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€¦5	6
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€¦5	6
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦5	6
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦5	6
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦5	6
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦5	6
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦5	6
90Y8569	90Y8567	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦5	6
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€¦5	6
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€¦5	6
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€¦5	6
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	49Y6129	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16

49Y6197	49Y6195	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¢15	16
00YC367	00YC365	AT8M	120GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¢15	16
00YC372	00YC370	AT8N	240GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¢15	16
00YC377	00YC375	AT8P	480GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¢15	16
00YC382	00YC380	AT8Q	960GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¢15	16
SAS Hot-Swap 3.5" Solid State Drives						
00YC422	-	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	0â€¢5	6
SAS Simple-Swap 2.5" HDDs						
-	00AJ305*	-	600GB 15K 6Gbps SAS 2.5 G2SS HDD	SFF	0â€¢15	16
SATA Hot-Swap 2.5" HDDs						
-	42D0752*	-	500GB 7200 NL SATA 2.5" SFF Slim-HS HDD	SFF	0â€¢.15	16
-	42D0747*	-	IBM 160GB 7200 NL SATA 2.5" SFF Slim-HS HDD	-	-	-
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0â€¢.15	16
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0â€¢.15	16
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0â€¢.15	16
SATA Hot-Swap 3.5" HDDs						
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
SATA Hot-Swap 2.5" Solid State Drives						
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢.15	16
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢.15	16
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢15	16
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢15	16
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ007	00AJ005	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ012	00AJ010	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	0â€¢15	16
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	0â€¢15	16
00FN329	00FN327	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	0â€¢15	16
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
-	43W7714*	-	50GB SATA 2.5" SFF Slim-HS High IOPS SSD	SFF	0â€¢.15	16
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	0â€¢.15	16
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
SATA Simple-Swap 3.5" HDDs						
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
81Y9808	81Y9806	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
81Y9804	81Y9802	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6

SATA Simple-Swap 2.5" Solid State Drives						
-	00AJ035*	-	S3500 800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ030*	-	S3500 480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ025*	-	S3500 240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ020*	-	S3500 120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ390*	-	800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ385*	-	480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ380*	-	240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ375*	-	120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00W1130*	-	100GB SATA 2.5" MLC SS Enterprise SSD	-	-	-
-	43W7742*	-	200GB SATA 2.5" MLC SS SSd	SFF	0â€¢.15	16
-	90Y8663*	-	256GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	90Y8668*	-	128GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
SATA 1.8" Solid State Drives						
-	49Y6124*	-	400GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢.31	32
-	49Y6119*	-	200GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢.31	32
-	00W1120*	-	100GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢.31	32
-	00W1227*	-	256GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
-	00W1222*	-	128GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
41Y8368	41Y8366	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢.31	32
41Y8373	41Y8371	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢.31	32
00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
00AJ047	00AJ045*	A4KW	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
00AJ457	-	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢.31	32
00AJ337	00AJ335	A56V	120GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢.31	32
00AJ342	00AJ340	A56W	240GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢.31	32
00AJ347	00AJ345	A56X	480GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢.31	32
00AJ352	00AJ350	A56Y	800GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢.31	32
-	49Y5993*	-	512GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
-	43W7746*	-	200GB SATA 1.8" MLC SSd	SL	0â€¢.31	32
-	49Y5834*	-	64GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢.31	32
-	43W7726*	-	50GB SATA 1.8" MLC SSd	SL	0â€¢.31	32
Optical drives						
44W3251	-	4161	UltraSlim Enhanced SATA DVD-ROM	UltraSlim	-	1
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	UltraSlim	-	1
Associated HDD Options						
81Y6836	69Y5319	A1JY	x3650 M4 Plus 8x 2.5" HS HDD Assembly Kit with Expander	-	-	-
00Y7621	-	A461	x3650M4 16x 2.5" HS HDD Assembly Kit with Expander for 12Gb RAID	-	-	-
00Y7622	00Y7626	A462	x3650M4 16x 2.5" HS HDD Assembly Kit for 12Gb RAID	-	-	-
-	59Y3992*	-	IBM System x3550 M3 R2 plus 4 HDD Kit w/8 HDD Bezel	-	-	-
-	59Y3952*	-	IBM System x3550 M3 R2 ODD Kit	-	-	-
-	59Y3951*	-	IBM System x3550 M3 R2 plus 4 HDD Kit	-	-	-
-	60Y0360*	-	Flashpack 8x 1.8" HS SAS SSD Backplane	-	-	-
-	00D9493	-	x3650 M4 8 2.5" Plus 16 1.8" SSD Assembly Option Kit	-	-	-
-	00D9492	-	x3650 M4 16 Plus 16 1.8" SSD Assembly Option Kit	-	-	-
-	00D9490	-	x3650 M4 Plus 8 2.5" HS HDD Assembly Option Kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4E*	-	IBM System Storage EXP3524 Express Storage Expansion Unit	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2E*	-	IBM System Storage EXP3512 Express Storage Expansion Unit	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
3.5" HDD				
0	3.5"	LFF	Y	HDD
1	3.5"	LFF	Y	HDD
2	3.5"	LFF	Y	HDD
3	3.5"	LFF	Y	HDD
4	3.5"	LFF	Y	HDD
5	3.5"	LFF	Y	HDD
2.5" HDD / SSD or 1.8" SSD				
0	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
1	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
10	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
11	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
12	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
13	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
14	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
15	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
2	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
3	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
4	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
5	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
6	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
7	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
8	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
9	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
1.8" SSD				
16	1.8"	SL	Y	SSD
17	1.8"	SL	Y	SSD
18	1.8"	SL	Y	SSD
19	1.8"	SL	Y	SSD
20	1.8"	SL	Y	SSD
21	1.8"	SL	Y	SSD
22	1.8"	SL	Y	SSD
23	1.8"	SL	Y	SSD
24	1.8"	SL	Y	SSD
25	1.8"	SL	Y	SSD
26	1.8"	SL	Y	SSD
27	1.8"	SL	Y	SSD
28	1.8"	SL	Y	SSD
29	1.8"	SL	Y	SSD
30	1.8"	SL	Y	SSD
31	1.8"	SL	Y	SSD

* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
68Y7355	46M0907	5982	6Gb SAS HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E x8	1 CPU: 2, 1 2 CPU: 2, 5, 1, 4	N	2/4
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y4379	90Y4377*	A3DY	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	1, 2, 4, 5	N	3
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	90Y4373*	-	300GB High IOPS SLC Modular Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	90Y4369*	-	800GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1 CPU: 1 2 CPU: 1, 4	N	1/2
-	90Y4365*	-	600GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1 CPU: 1 2 CPU: 1, 4	N	1/2
-	90Y4361*	-	300GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6

00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	3/6
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCI-E x8	1, 2, 4, 5	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCI-E x8	1, 2, 4, 5	N	1
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	00AE867*	-	Flash Adapter F3200 Enterprise Value	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	00AE864*	-	Flash Adapter F1650 Enterprise Value	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	00AE861*	-	Flash Adapter F825 Enterprise Value	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
47C8672	47C8670	A4G6	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 4, 5	N	4
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1, 2, 4, 5	N	4
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	High	PCI-E x8	1, 2, 4, 5	N	4
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	1, 2, 3, 4, 5, 6	N	4
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	1, 2, 3, 4, 5, 6	N	4
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
-	42C1770*	-	Qlogic iSCSI Dual-Port PCIe HBA for IBM System x	-	-	-	-	-
-	39Y6146*	-	Qlogic iSCSI Single-Port PCIe HBA for IBM System x	-	-	-	-	-
-	43W4296*	-	ServeRAID-MR10i SAS/SATA Controller	-	-	-	-	-
-	44E8826*	-	ServeRAID-MR10i Li-Ion Battery	-	-	-	-	-
-	44E8825*	-	ServeRAID-MR10M SAS/SATA Controller with Remote Battery Kit	-	-	-	-	-
-	44E8700*	-	IBM 3Gb SAS HBA Controller v2	-	-	-	-	-
-	44E8689*	-	ServeRAID-BR10i SAS/SATA Controller	-	-	-	-	-
-	46M0917	-	ServeRAID M5000 Series Battery Kit	-	-	-	-	-
-	46M0916*	-	ServeRAID M5014 SAS/SATA Controller	-	-	-	-	-
-	46M0829*	-	ServeRAID M5015 SAS/SATA Controller	-	-	-	-	-
-	49Y4731*	-	ServeRAID-BR10il SAS/SATA Controller v2	-	-	-	-	-
-	46M0930*	-	ServeRAID M5000 Series Advance Feature Key	-	-	-	-	-
-	46M0832*	-	ServeRAID M1000 Series Advance Feature Key	-	-	-	-	-
-	46M0831*	-	ServeRAID M1015 SAS/SATA Controller	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-

External Disk Systems and Options

-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
-	42C1820*	-	Brocade 10Gb CNA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	42C1800*	-	QLogic 10Gb CNA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
90Y5180	90Y5178	A2TE	Emulex Mezz VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
49Y7983	49Y7980	A3JS	Intel X520 Dual Port 10GbE SFP+ Embedded Adapter	Half	PCI-E x8	10G Connector	N	1
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y5181	90Y5179	A2TF	Qlogic Embedded VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	00D9700*	-	Broadcom Single Port 10GbE SFP+ Embedded Adapter	Half	PCI-E x8	10G Connector	N	1
49Y7993	49Y7990	A3JT	Intel X540 Dual Port 10GBase-T Embedded Adapter	Half	PCI-E x8	10G Connector	N	1
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
47C9978	47C9977	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Less than half length (134mm)	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
44T1363	44T1360	A4YQ	Broadcom NetXtreme 2x10 GbE SFP+ Mezz Adapter	Half	PCI-E x8	10G Connector	N	1
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00Y7729	00Y7730	A4MC	Emulex Dual Port 10GbE SFP+ Embedded VFA IIIr	Half	PCI-E x8	10G Connector	N	1
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6

00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00D9679	00D9676	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	22R4897*	-	4 Gbps SW SFP Transceiver 4 Pack	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	39Y6126*	-	PRO/1000 PT Dual Port Server Adapter by Intel	-	-	-	-	-
-	39Y6136*	-	PRO/1000 PT Quad Port Server Adapter by Intel	-	-	-	-	-
-	42C1790*	-	NetXtreme II 10 GigE Express Fiber SR Adapter	-	-	-	-	-
-	46M1076	-	Dual Port 1Gb Ethernet Daughter Card	-	-	-	-	-
-	49Y4250*	-	Emulex 10GbE Virtual Fabric Adapter for IBM System x	-	-	-	-	-
90Y6605	00D4143	A36R	Dual Port FDR Embedded Adapter	Half	PCI-E x8	10G Connector	N	1
-	95Y3750*	-	Mellanox ConnectX-2 Dual-port QSFP QDR IB Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x8	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x8	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
-	95Y3762*	-	Emulex Dual Port 10GbE SFP+ VFA III	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6

49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
49Y7913	49Y7910*	A18Y	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E x8	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
00D9500	00D9501	A3A2	LLM-SM Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 2, 1 2 CPU: 2, 1, 5, 4	N	2/4
90Y6266	90Y6454	A22H	Qlogic Dual Port 10GbE SFP+ Embedded VFA	Half	PCI-E x8	10G Connector	N	1
-	90Y6456*	-	Emulex Dual Port 10GbE SFP+ Embedded VFA III	Half	PCI-E x8	10G Connector	N	1
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
Systems Management								
-	46C7526*	-	IBM Virtual Media Key	-	-	-	-	-
Other I/O								
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
81Y9991	81Y9990*	A1M4	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
90Y3809	-	A2F9	1m Mellanox QSFP Passive Copper FDR10 InfiniBand Cable	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
81Y6892	69Y5321	A1JU	x3650 M4 PCIe Gen-III Riser Card 2 (1 x8 FH/FL + 2 x8 FH/HL Slots)	-	-	-	-	-
81Y6893	69Y5322	A1JQ	x3650 M4 PCIe Gen-III Riser Card 2 (1 x16 FH/FL + 1 x8 FH/HL Slots)	-	-	-	-	-
81Y6895	81Y6843	A1JS	x3650 M4 PCIX Riser Card 2 (1 x16 FH/HL PCIe + 2 PCIX FH/FL Slots)	-	-	-	-	-
90Y5044	90Y5046	A2BB	x3650 M4 Remote Supercap and Battery Tray	-	-	-	-	-
90Y6458	81Y6821	A228	Gen-III Slides Kit	-	-	-	-	-
90Y6461	81Y6822	A229	Gen-III CMA	-	-	-	-	-

90Y6464	69Y1192	A22A	Gen-III Large Capacity CMA	-	-	-	-	-
90Y6465	69Y1193	A22B	Universal Slides Kit	-	-	-	-	-
90Y6536	69Y1194	A22N	x3650 M4 ODD Cable	-	-	-	-	-
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-
46C9060	-	A3EH	8-pin 3 drop 34.7" (95cm) cable	-	-	-	-	-
-	41Y8307*	-	USB Memory Key for VMware ESXi 5.0 Update1	-	-	-	-	-
-	90Y5085*	-	x3650 M4 PCIe Riser Card 2 (1 x16 for GPU + 1 x8 FH/HL Slots)	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00KF038	00KF002	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	00KF003	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	00KF004	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	00KF005	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	00KF006	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	00KF013	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
44T1367	44T1364	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
81Y6837	69Y5320	A1L6	x3650 M4 Tape Enablement Kit	-	-	-	-	-
-	46M1071*	-	IBM System x3550 M2 PCI-X Riser Card	-	-	-	-	-
-	46M1070*	-	IBM System x3550 M2 PCI-Express (1x16) Riser Card	-	-	-	-	-
-	41Y8278	-	IBM USB Memory Key for VMware ESXi 4	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	PCI-E x8, PCI-E x16, or PCI-X, depending on Riser	-	-	-	-	N	Full Length
PCI Slot 2	PCI-E x8 or PCI-X, depending on Riser	-	-	-	-	N	Half Length
PCI Slot 3	PCI-E x8 or PCI-E x16, depending on Riser	-	-	-	-	N	Half Length
PCI Slot 4	PCI-E x8, PCI-E x16, or PCI-X, depending on Riser	-	-	-	-	N	Full Length
PCI Slot 5	PCI-E x8 or PCI-X, depending on Riser	-	-	-	-	N	Full Length
PCI Slot 6	PCI-E x8 or PCI-E x16, depending on Riser	-	-	-	-	N	Half Length

Note:
1. PCI Slot 4, 5, 6 required Additional processor

* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
94Y6666	94Y6667	A2EB	900W High Efficiency Platinum AC Power Supply
94Y7630	94Y7631	A39N	750W High Efficiency -48 V DC Power Supply
-	46M1075	-	675W Redundant Power Supply
81Y6562	94Y6669	A1H5	750W High Efficiency Platinum AC Power Supply
81Y6563	94Y6668	A1H6	550W High Efficiency Platinum AC Power Supply
Power Distribution Units			
-	73P5847*	-	DPI 60A/208v 3-Phase High Density C19 PDU w/IEC309 3P+Gnd Connector
-	40K9615	-	DPI 60a Cord (IEC 309 2P+G)
-	40K9614	-	DPI 30a Cord (NEMA L6-30P)
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2819*	-	IBM DPI C19 3 phase PDU+
-	39M2818*	-	IBM Dpi C19 PDU+
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	40K9620*	-	IBM UPS3000 Ebm
-	39Y8857*	-	IBM UPS 3U Online Battery Pack
-	21304RX*	-	IBM UPS 10000Xhv
-	21302RX*	-	IBM UPS3000 HV
-	21301RX*	-	IBM UPS3000 LV
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)

-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93061RX*	-	NetBAY11 Standard Rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	17231RX*	-	IBM 1U 17" Flat Panel console Kit w/ Optical Drive Bay
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	17237RX	-	IBM 19" Fixed Shelf Option
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	31R3132*	-	IBM 3M Console Switch Cable (USB)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr (GCM2)
Console Connectivity			
-	17354GX*	-	Global 4x16 Console Mngr (GCM4)

-	17233RX*	-	IBM 1U 15" Flat Panel Console Kit
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
90Y3510	-	A1DQ	3m QSFP+-to-QSFP+ cable
00D3850	-	A2U6	Advanced Lightpath Kit
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9201*	-	IBM 3 Button Optical Mouse - Black - USB
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
42C2060	39R6529	3708	1M SAS Cable
42C2061	39R6531	3707	3M SAS Cable
39Y8072	-	3757	Single Cable USB Conversion Option (UCO)
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00D9531	00D9532	A3E9	x3650 M4 925MM SAS Cable
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
Fiber Cables			
13N1943	39M5697*	3704	5m LC-LC Fiber Cable
13N1944	39M5698*	3705	25m LC-LC Fiber Cable
00KF043	00KF007	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	00KF008	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	00KF009	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	00KF010	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	00KF011	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	00KF012	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)

39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	40K9772	-	C19 4.3 meter Line Cord - NEMA L6-20P
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	39M5636*	-	DDS Gen 6 USB Tape Drive	TD	USB	89mm (5.25in) HH	-
-	46C5399*	-	DDS Generation 5 USB Tape Drive	TD	USB	89mm (5.25in) HH	-
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	44E8895*	-	IBM Half High LTO Gen 4 SAS Tape Drive	-	-	-	-
-	46C5388*	-	IBM RDX500 Internal USB Bundle	-	-	-	-
-	46C5387*	-	IBM RDX320 Internal USB Bundle	-	-	-	-
-	46C5364*	-	IBM RDX160 Internal USB Bundle	-	-	-	-
-	362550X*	-	IBM RDX 500 GB External USB Drive	-	-	-	-
-	362532X*	-	IBM RDX 320 GB External USB Drive	-	-	-	-
-	362516X*	-	IBM RDX 160 GB External USB Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-
-	44E8869*	-	USB Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- [At a glance](#)
- [Options](#)

Table 1. System x3650 M4 (7915 E-2600 v2) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7915-23Y	-	Intel Xeon Processor E5-2637v2 4C 3.5GHz15MB Cache 1866MHz 130W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-33Y	-	Intel Xeon Processor E5-2643v2 6C 3.5GHz 25MB Cache 1866MHz 130W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-43Y	-	Intel Xeon Processor E5-2667v2 8C 3.3GHz 25MB Cache 1866MHz 130W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-53Y	-	Intel Xeon Processor E5-2650Lv2 10C 1.7GHz 25MB Cache1866MHz 70W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-73Y	-	Intel Xeon Processor E5-2695v2 12C 2.4GHz 30MB Cache 1866MHz 115W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-83Y	-	Intel Xeon Processor E5-2697v2 12C 2.7GHz 30MB Cache 1866MHz 130W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-A3Y	-	Intel Xeon Processor E5-2603v2 4C 2.0GHz 10MB Cache 1333MHz 80W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-B3Y	-	Intel Xeon Processor E5-2609v2 4C 2.7GHz 10MB Cache 1333MHz 80W	1/2	4GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-C3Y	-	Intel Xeon Processor E5-2620v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-C5Y	-	Intel Xeon Processor E5-2620v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-D3Y	-	Intel Xeon Processor E5-2630v2 6C 2.5GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EFY6	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EGY6	-	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EHY6	-	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache1600MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EJY6	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	16GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-EKY	-	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	1/2	16GB / 768GB	2U Rack	2/2 LC	P,H,F	Y
7915-F3Y	-	Intel Xeon Processor E5-2640v2 8C 2.0GHz 20MB Cache1600MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-G3Y	-	Intel Xeon Processor E5-2650v2 8C 2.5GHz 20MB Cache 1866MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-H3Y	-	Intel Xeon Processor E5-2660v2 8C 2.7GHz 20MB Cache 1866MHz 95W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-J3Y	-	Intel Xeon Processor E5-2670v2 10C 2.5GHz 25MB Cache 1866MHz 115W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-L3Y	-	Intel Xeon Processor E5-2680v2 10C 2.7GHz 25MB Cache 1866MHz 115W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-M3Y	-	Intel Xeon Processor E5-2690v2 10C 3.0GHz 25MB Cache 1866MHz 130W	1/2	8GB / 768GB	2U Rack	1/2 LC	P,H,F	Y
7915-CCY	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	2/2	64GB / 768GB	2U Rack	2/2 LC	P,H,F	Y
7915-CEY	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	2/2	64GB / 768GB	2U Rack	2/2 LC	P,H,F	Y

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Part number ¹	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	Optical drive	Bays (total/ avail) ⁴	Slots (total/ avail) ⁵
7915-23Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-33Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-43Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-53Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-73Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-83Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-A3Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-B3Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-C3Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-C5Y	-	Quad 1Gb	ServeRAID M5110e	LFF Hot-Swap	0GB/36TB	Optional	8/8	6/6
7915-D3Y	-	Quad 1Gb	ServeRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-EFY ₆	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6
7915-EGY ₆	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6
7915-EHY ₆	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6
7915-EJY ₆	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6
7915-EKY	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6
7915-F3Y	-	Quad 1Gb	ServeRAID M5110e + 512MB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-G3Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-H3Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-J3Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-L3Y	-	Quad 1Gb	ServeRAID M5110e + 1GB Flash	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-M3Y	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	Optional	18/18	6/6
7915-CCY	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6
7915-CEY	-	Quad 1Gb	ServeRAID M5110e	SFF Hot-Swap	0GB/28.8TB	SATA Multi-Burner	18/17	6/6

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7915-F2Y is 7915-F2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
4. with 81Y6836 Upgrade Kit to total 16 2.5" HDD bays
5. with additional Riser Card to upgrade total 6 PCI slots
6. TopSeller model.

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System x3650 M4 (7915 E-2600 v2)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00FJ762	-	A4ZB	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB 1333MHz 80W(2nd GPU)	-
00FJ763	-	A4ZC	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB 1333MHz 80W(2nd GPU)	-
00FJ764	-	A4ZD	Intel Xeon Processor E5-2637 v2 4C 3.5GHz15MB 1866MHz 130W(2nd GPU)	-
00FJ765	-	A4ZE	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB 1600MHz 80W(2nd GPU)	-
00FJ766	-	A4ZF	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB 1600MHz 80W(2nd GPU)	-
00FJ767	-	A4ZG	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB 1866MHz 95W(2nd GPU)	-
00FJ768	-	A4ZH	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB 1866MHz 95W(2nd GPU)	-
00FJ769	-	A4ZJ	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB 1600MHz 95W(2nd GPU)	-
00FJ770	-	A4ZK	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 1866MHz 115W(2nd GPU)	-
00FJ771	-	A4ZL	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 1866MHz 115W(2nd GPU)	-
00FJ772	-	A4ZM	Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB 1866MHz 130W(2nd GPU)	-
00FJ773	-	A4ZN	Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB 1866MHz 130W(2nd GPU)	-
00FJ774	-	A4ZP	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 1866MHz 115W(2nd GPU)	-
00FJ775	-	A4ZQ	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 1866MHz 130W(2nd GPU)	-
00FJ776	-	A51W	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 1600MHz 70W(2nd GPU)	-
00FJ777	-	A4ZR	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB 1600MHz 60W(2nd GPU)	-
00FJ778	-	A4ZS	Intel Xeon Processor E5-2690 v2 10C 3.0GHz 1866MHz 130W(2nd GPU)	-
00FJ779	-	A4ZT	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHz 70W(2nd GPU)	-
00FJ780	-	A4ZU	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 1866MHz 70W(2nd GPU)	-
46W4306	-	A3V7	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	A3Y
46W4307	-	A3V8	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	B3Y, EFY, CCY
46W4309	-	A3VA	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	C3Y, C5Y
46W4310	-	A3VB	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	D3Y, EGY
46W4308	-	A3V9	Intel Xeon Processor E5-2637 v2 4C 3.5GHz15MB Cache 1866MHz 130W	23Y
46W4313	-	A3VE	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache1600MHz 95W	F3Y, EHY
46W4317	-	A3VJ	Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB Cache 1866MHz 130W	33Y
46W4311	-	A3VC	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	G3Y, EJY, CEY
46W4312	-	A3VD	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	H3Y
46W4318	-	A3VK	Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB Cache 1866MHz 130W	43Y
46W4315	-	A3VG	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	J3Y, EKY
46W4316	-	A3VH	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	L3Y
46W4323	-	A3VQ	Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 1866MHz 130W	M3Y
46W4319	-	A3VL	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 1866MHz 115W	73Y
46W4320	-	A3VM	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHz 130W	83Y
00Y7632	-	A4EN	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB Cache 1600MHz 70W	-
46W4322	-	A3VP	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 1600MHz 60W	-
00Y7634	-	A4EP	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB Cache 1866MHz 70W	-
46W4321	-	A3VN	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHz 70W	53Y
Additional processor				
00FJ781	-	A4ZV	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 80W w/Fan(2nd GPU)	-
00FJ782	-	A4ZW	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 80W w/Fan(2nd GPU)	-
00FJ783	-	A4ZX	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz 130W w/Fan(2nd GPU)	-

00FJ784	-	A4ZY	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 80W w/Fan(2nd GPU)	-
00FJ785	-	A4ZZ	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 80W w/Fan(2nd GPU)	-
00FJ786	-	A500	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 95W w/Fan(2nd GPU)	-
00FJ787	-	A501	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 95W w/Fan(2nd GPU)	-
00FJ788	-	A502	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 95W w/Fan(2nd GPU)	-
00FJ789	-	A503	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 115W w/Fan(2nd GPU)	-
00FJ790	-	A504	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 115W w/Fan(2nd GPU)	-
00FJ791	-	A505	Addl Intel Xeon Processor E5-2643 v2 6C 3.5GHz 130W w/Fan(2nd GPU)	-
00FJ792	-	A506	Addl Intel Xeon Processor E5-2667 v2 8C 3.3GHz 130W w/Fan(2nd GPU)	-
00FJ793	-	A507	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 115W w/Fan(2nd GPU)	-
00FJ794	-	A508	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 130W w/Fan(2nd GPU)	-
00FJ795	-	A509	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 70W w/Fan(2nd GPU)	-
00FJ796	-	A50A	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 60W w/Fan(2nd GPU)	-
00FJ797	-	A50B	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 130W w/Fan(2nd GPU)	-
00FJ798	-	A50C	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 70W w/Fan(2nd GPU)	-
00FJ799	-	A50D	Addl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 70W w/Fan(2nd GPU)	-
46W4324	46W4360	A3VR	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 80W	-
46W4325	46W4361	A3VS	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 80W	-
46W4327	46W4363	A3VU	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 80W	-
46W4328	46W4364	A3VV	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 80W	-
46W4326	46W4362	A3VT	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz15MB Cache 130W	-
46W4331	46W4367	A3VY	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 95W	-
46W4335	46W4371	A3W2	Addl Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB Cache 130W	-
46W4329	46W4365	A3VW	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 95W	-
46W4330	46W4366	A3VX	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 95W	-
46W4336	46W4372	A3W3	Addl Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB Cache 130W	-
46W4333	46W4369	A3W0	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 115W	-
46W4334	46W4370	A3W1	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 115W	-
46W4341	46W4377	A3W8	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 130W	-
46W4337	46W4373	A3W4	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 115W	-
46W4338	46W4374	A3W5	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 130W	-
00Y7638	00Y7650	A4EQ	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB Cache 70W	-
46W4340	46W4376	A3W7	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 60W	-
00Y7640	00Y7652	A4ER	Addl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB Cache 70W	-
46W4339	46W4375	A3W6	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache70W	-

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System x3650 M4 (7915 E-2600 v2)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	46C7449*	-	8GB (1x8GB) Dual Rank PC3-10600 CL9 ECC DDR3-1333 LP RDIMM
-	44T1569*	-	2GB (1x2GB, Dual Rankx8) PC3-10600 CL9 ECC DDR3-1333MHz LP UDIMM
-	49Y1436*	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1435*	-	4GB (1x4GB, 2Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1434*	-	2GB (1x2GB, 1Rx4, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1433*	-	2GB (1x2GB, 2Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1394*	-	4GB (1x4GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1392*	-	2GB (1x2GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
00D5015	00D5016	A3QC	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
00D5023	00D5024	A3QE	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5019	00D5020	A3QD	4GB (1x4GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5031	00D5032	A3QG	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5035	00D5036	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5043	00D5044	A3QK	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0671	46W0672	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5047	00D5048	A3QL	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM
Memory-channel storage			
00FE002	00FE000	A4GX	eXFlash 200GB DDR3 Storage DIMM
00FE007	00FE005	A4GY	eXFlash 400GB DDR3 Storage DIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y, B2Y	1 * 4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
52Y, 62Y, EEY, G2Y, H2Y, J2Y, L2Y	1 * 8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
C2Y, C4Y, D2Y, EBY, EGY, F2Y	1 * 8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
EDY	2 * 8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
EAY	1 * 4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
GSY	4 * 8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
M2Y, 32Y	1 * 4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
EFY, EGY, EHY	1 * 8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
EJY, EKY	1 * 16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
CCY, CEY	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM

Table 2. DIMM Install Order

CPU	Slot
One CPU	1,4,9,12,2,5,8,11,3,6,7,10
Two CPU	1,13,4,16,9,21,12,24,2,14,5,17,8,20,11,23,3,15,6,18,7,19,10,22

System x3650 M4 (7915 E-2600 v2)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0â€¦15	16
00AD087	00AD085	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	0â€¦15	16
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0â€¦15	16
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0â€¦15	16
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0â€¦15	16
00AJ302	00AJ300	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0â€¦15	16
00NA443	-	ASCD	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	SFF	0â€¦15	16
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0â€¦15	16
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0â€¦15	16
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0â€¦15	16
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
90Y8915	90Y8913	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0â€¦15	16
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0â€¦15	16
SAS Hot-Swap 3.5" HDDs						
00W1535	-	A4AH	2TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0â€¦5	6
00W1545	00W1543	A4AJ	4TB 7.2K 6Gbps NL SAS 3.5 G2HS SED	LFF	0â€¦5	6
49Y6212	49Y6210	A4AF	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	0â€¦5	6
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€¦5	6
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€¦5	6
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€¦5	6
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦5	6
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦5	6
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦5	6
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦5	6
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦5	6
90Y8569	90Y8567	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦5	6
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€¦5	6
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€¦5	6
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€¦5	6
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	49Y6129	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16
49Y6197	49Y6195	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	0â€¦15	16
00YC367	00YC365	AT8M	120GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¦15	16
00YC372	00YC370	AT8N	240GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¦15	16
00YC377	00YC375	AT8P	480GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¦15	16

00YC382	00YC380	AT8Q	960GB Enterprise Entry SATA HS 2.5" SSD	SFF	0â€¢15	16
SAS Hot-Swap 3.5" Solid State Drives						
00YC422	-	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	0â€¢5	6
SAS Simple-Swap 2.5" HDDs						
-	00AJ305*	-	600GB 15K 6Gbps SAS 2.5 G2SS HDD	SFF	0â€¢15	16
SATA Hot-Swap 2.5" HDDs						
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0â€¢.15	16
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0â€¢.15	16
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0â€¢.15	16
SATA Hot-Swap 3.5" HDDs						
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¢5	6
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¢5	6
SATA Hot-Swap 2.5" Solid State Drives						
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢.15	16
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢.15	16
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢15	16
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	0â€¢15	16
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ007	00AJ005	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ012	00AJ010	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
-	00FN332	-	960GB SATA 2.5" MLC HS Entry SSD	SFF	0â€¢15	16
-	00FN298	-	240GB SATA 2.5" MLC HS Entry SSD	SFF	0â€¢15	16
00FN329	00FN327	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	0â€¢15	16
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢15	16
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	0â€¢.15	16
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0â€¢.15	16
SATA Simple-Swap 3.5" HDDs						
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€¢5	6
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
81Y9808	81Y9806	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
81Y9804	81Y9802	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€¢5	6
SATA Simple-Swap 2.5" Solid State Drives						
-	00AJ035*	-	S3500 800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ030*	-	S3500 480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ025*	-	S3500 240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ020*	-	S3500 120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	00AJ390*	-	800GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢15	16
-	00AJ385*	-	480GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢15	16

-	00AJ380*	-	240GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢15	16
-	00AJ375*	-	120GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢15	16
-	00W1130*	-	100GB SATA 2.5" MLC SS Enterprise SSD	-	-	-
-	43W7742*	-	200GB SATA 2.5" MLC SS SSd	SFF	0â€¢.15	16
-	90Y8663*	-	256GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
-	90Y8668*	-	128GB SATA 2.5" MLC SS Enterprise Value SSD	SFF	0â€¢.15	16
SATA 1.8" Solid State Drives						
-	49Y6124*	-	400GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢31	32
-	49Y6119*	-	200GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢31	32
-	00W1120*	-	100GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢31	32
-	00W1227*	-	256GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
-	00W1222*	-	128GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
41Y8368	41Y8366	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢31	32
41Y8373	41Y8371	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	0â€¢31	32
00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
00AJ047	00AJ045*	A4KW	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
00AJ457	-	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢31	32
00AJ337	00AJ335	A56V	120GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢31	32
00AJ342	00AJ340	A56W	240GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢31	32
00AJ347	00AJ345	A56X	480GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢31	32
00AJ352	00AJ350	A56Y	800GB SATA 1.8" MLC Enterprise Value SSD	SFF	0â€¢31	32
-	49Y5993*	-	512GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
-	43W7746*	-	200GB SATA 1.8" MLC SSd	SL	0â€¢31	32
-	49Y5834*	-	64GB SATA 1.8" MLC Enterprise Value SSD	SL	0â€¢31	32
-	43W7726*	-	50GB SATA 1.8" MLC SSd	SL	0â€¢31	32
Optical drives						
44W3251	-	4161	UltraSlim Enhanced SATA DVD-ROM	UltraSlim	-	1
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	UltraSlim	-	1
Associated HDD Options						
81Y6836	69Y5319	A1JY	x3650 M4 Plus 8x 2.5" HS HDD Assembly Kit with Expander	-	-	-
00Y7621	-	A461	x3650M4 16x 2.5" HS HDD Assembly Kit with Expander for 12Gb RAID	-	-	-
00Y7622	00Y7626	A462	x3650M4 16x 2.5" HS HDD Assembly Kit for 12Gb RAID	-	-	-
-	60Y0360*	-	Flashpack 8x 1.8" HS SAS SSD Backplane	-	-	-
-	00D9493	-	x3650 M4 8 2.5" Plus 16 1.8" SSD Assembly Option Kit	-	-	-
-	00D9492	-	x3650 M4 16 Plus 16 1.8" SSD Assembly Option Kit	-	-	-
-	00D9490	-	x3650 M4 Plus 8 2.5" HS HDD Assembly Option Kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
3.5" HDD				
0	3.5"	LFF	Y	HDD
1	3.5"	LFF	Y	HDD
2	3.5"	LFF	Y	HDD
3	3.5"	LFF	Y	HDD
4	3.5"	LFF	Y	HDD
5	3.5"	LFF	Y	HDD
2.5" HDD / SSD or 1.8" SSD				
0	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
1	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
10	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
11	2.5" or 1.8"	SFF or SL	Y	HDD or SSD

12	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
13	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
14	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
15	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
2	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
3	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
4	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
5	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
6	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
7	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
8	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
9	2.5" or 1.8"	SFF or SL	Y	HDD or SSD
1.8" SSD				
16	1.8"	SL	Y	SSD
17	1.8"	SL	Y	SSD
18	1.8"	SL	Y	SSD
19	1.8"	SL	Y	SSD
20	1.8"	SL	Y	SSD
21	1.8"	SL	Y	SSD
22	1.8"	SL	Y	SSD
23	1.8"	SL	Y	SSD
24	1.8"	SL	Y	SSD
25	1.8"	SL	Y	SSD
26	1.8"	SL	Y	SSD
27	1.8"	SL	Y	SSD
28	1.8"	SL	Y	SSD
29	1.8"	SL	Y	SSD
30	1.8"	SL	Y	SSD
31	1.8"	SL	Y	SSD

* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
68Y7355	46M0907	5982	6Gb SAS HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E x8	1 CPU: 2, 1 2 CPU: 2, 5, 1, 4	N	2/4
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	46M0912*	-	6Gb Performance Optimized HBA	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y4379	90Y4377*	A3DY	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	1, 2, 4, 5	N	3
95Y3761	95Y3760	A2U2	Emulex VFA III/IIr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	90Y4373*	-	300GB High IOPS SLC Modular Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	90Y4369*	-	800GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1 CPU: 1 2 CPU: 1, 4	N	1/2
-	90Y4365*	-	600GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1 CPU: 1 2 CPU: 1, 4	N	1/2
-	90Y4361*	-	300GB High IOPS MLC Modular Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6

00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	3/6
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCI-E x8	1, 2, 4, 5	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCI-E x8	1, 2, 4, 5	N	1
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	00AE867*	-	Flash Adapter F3200 Enterprise Value	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	00AE864*	-	Flash Adapter F1650 Enterprise Value	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	00AE861*	-	Flash Adapter F825 Enterprise Value	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
47C8672	47C8670	A4G6	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCI-E x8	1, 2, 4, 5	N	3
00AE917	00AE916	A5M1	N2226 SAS/SATA Hba	Half	PCI-E x8	1, 2, 4, 5	N	3
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 4, 5	N	4
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1, 2, 4, 5	N	4
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	High	PCI-E x8	1, 2, 4, 5	N	4
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	1, 2, 3, 4, 5, 6	N	4
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	1, 2, 3, 4, 5, 6	N	4
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2, 3, 4, 5, 6	N	4
-	42C1770*	-	Qlogic iSCSI Dual-Port PCIe HBA for IBM System x	-	-	-	-	-
-	39Y6146*	-	Qlogic iSCSI Single-Port PCIe HBA for IBM System x	-	-	-	-	-
-	43W4296*	-	ServeRAID-MR10i SAS/SATA Controller	-	-	-	-	-
-	44E8826*	-	ServeRAID-MR10i Li-Ion Battery	-	-	-	-	-
-	44E8825*	-	ServeRAID-MR10M SAS/SATA Controller with Remote Battery Kit	-	-	-	-	-
-	44E8700*	-	IBM 3Gb SAS HBA Controller v2	-	-	-	-	-
-	44E8689*	-	ServeRAID-BR10i SAS/SATA Controller	-	-	-	-	-
-	46M0917	-	ServeRAID M5000 Series Battery Kit	-	-	-	-	-
-	46M0916*	-	ServeRAID M5014 SAS/SATA Controller	-	-	-	-	-
-	46M0829*	-	ServeRAID M5015 SAS/SATA Controller	-	-	-	-	-
-	49Y4731*	-	ServeRAID-BR10il SAS/SATA Controller v2	-	-	-	-	-
-	46M0930*	-	ServeRAID M5000 Series Advance Feature Key	-	-	-	-	-
-	46M0832*	-	ServeRAID M1000 Series Advance Feature Key	-	-	-	-	-
-	46M0831*	-	ServeRAID M1015 SAS/SATA Controller	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-

81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
External Disk Systems and Options								
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
-	42C1820*	-	Brocade 10Gb CNA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	42C1800*	-	QLogic 10Gb CNA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
90Y5180	90Y5178	A2TE	Emulex Mezz VFA III/IIlr FCoE/iSCSI License (FoD)	-	-	-	-	-
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
49Y7983	49Y7980	A3JS	Intel X520 Dual Port 10GbE SFP+ Embedded Adapter	Half	PCI-E x8	10G Connector	N	1
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y5181	90Y5179	A2TF	Qlogic Embedded VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
47C9978	47C9977	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Less than half length (134mm)	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
44T1363	44T1360	A4YQ	Broadcom NetXtreme 2x10 GbE SFP+ Mezz Adapter	Half	PCI-E x8	10G Connector	N	1
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00Y7729	00Y7730	A4MC	Emulex Dual Port 10GbE SFP+ Embedded VFA IIIr	Half	PCI-E x8	10G Connector	N	1
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00D9679	00D9676	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-

00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	22R4897*	-	4 Gbps SW SFP Transceiver 4 Pack	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 1, 5, 4	N	3/6
-	39Y6126*	-	PRO/1000 PT Dual Port Server Adapter by Intel	-	-	-	-	-
-	39Y6136*	-	PRO/1000 PT Quad Port Server Adapter by Intel	-	-	-	-	-
-	42C1790*	-	NetXtreme II 10 GigE Express Fiber SR Adapter	-	-	-	-	-
-	46M1076	-	Dual Port 1Gb Ethernet Daughter Card	-	-	-	-	-
-	49Y4250*	-	Emulex 10GbE Virtual Fabric Adapter for IBM System x	-	-	-	-	-
90Y6605	00D4143	A36R	Dual Port FDR Embedded Adapter	Half	PCI-E x8	10G Connector	N	1
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x8	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x8	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	PCI-E x4	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
49Y7913	49Y7910*	A18Y	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E x8	1 CPU: 2, 1, 3 2 CPU: 2, 1, 5, 4, 3, 6	N	3/6
90Y6266	90Y6454	A22H	Qlogic Dual Port 10GbE SFP+ Embedded VFA	Half	PCI-E x8	10G Connector	N	1
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6

-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x8	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCI-E x4	1 CPU: 3, 2, 1 2 CPU: 3, 2, 6, 5, 1, 4	N	3/6
Systems Management								
-	46C7526*	-	IBM Virtual Media Key	-	-	-	-	-
Video Adapters								
90Y2384	-	A3WH	NVIDIA Quadro K600	Half	PCI-E x16	1 CPU: 1, 2 2 CPU: 1, 4, 2, 5	N	4
Other I/O								
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
90Y3809	-	A2F9	1m Mellanox QSFP Passive Copper FDR10 InfiniBand Cable	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
81Y6892	69Y5321	A1JU	x3650 M4 PCIe Gen-III Riser Card 2 (1 x8 FH/FL + 2 x8 FH/HL Slots)	-	-	-	-	-
81Y6893	69Y5322	A1JQ	x3650 M4 PCIe Gen-III Riser Card 2 (1 x16 FH/FL + 1 x8 FH/HL Slots)	-	-	-	-	-
81Y6895	81Y6843	A1JS	x3650 M4 PCIX Riser Card 2 (1 x16 FH/HL PCIe + 2 PCIX FH/FL Slots)	-	-	-	-	-
90Y5044	90Y5046	A2BB	x3650 M4 Remote Supercap and Battery Tray	-	-	-	-	-
90Y6458	81Y6821	A228	Gen-III Slides Kit	-	-	-	-	-
90Y6461	81Y6822	A229	Gen-III CMA	-	-	-	-	-
90Y6464	69Y1192	A22A	Gen-III Large Capacity CMA	-	-	-	-	-
90Y6465	69Y1193	A22B	Universal Slides Kit	-	-	-	-	-
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-
46C9060	-	A3EH	8-pin 3 drop 34.7" (95cm) cable	-	-	-	-	-
-	41Y8307*	-	USB Memory Key for VMware ESXi 5.0 Update1	-	-	-	-	-
-	90Y5085*	-	x3650 M4 PCIe Riser Card 2 (1 x16 for GPU + 1 x8 FH/HL Slots)	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00KF038	00KF002	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	00KF003	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	00KF004	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	00KF005	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	00KF006	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	00KF013	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
44T1367	44T1364	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
81Y6837	69Y5320	A1L6	x3650 M4 Tape Enablement Kit	-	-	-	-	-
-	41Y8278	-	IBM USB Memory Key for VMware ESXi 4	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	PCI-E x8, PCI-E x16, or PCI-X, depending on Riser	-	-	-	-	N	Full Length
PCI Slot 2	PCI-E x8 or PCI-X, depending on Riser	-	-	-	-	N	Half Length
PCI Slot 3	PCI-E x8 or PCI-E x16, depending on Riser	-	-	-	-	N	Half Length
PCI Slot 4	PCI-E x8, PCI-E x16, or PCI-X, depending on Riser	-	-	-	-	N	Full Length
PCI Slot 5	PCI-E x8 or PCI-X, depending on Riser	-	-	-	-	N	Full Length

PCI Slot 6	PCI-E x8 or PCI-E x16, depending on Riser	-	-	-	-	N	Half Length

Note:
1. PCI Slot 4, 5, 6 required Additional processor
* Lenovo has withdrawn this product from marketing.

System x3650 M4 (7915 E-2600 v2)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
94Y6666	94Y6667	A2EB	900W High Efficiency Platinum AC Power Supply
94Y7630	94Y7631	A39N	750W High Efficiency -48 V DC Power Supply
-	46M1075	-	675W Redundant Power Supply
81Y6562	94Y6669	A1H5	750W High Efficiency Platinum AC Power Supply
81Y6563	94Y6668	A1H6	550W High Efficiency Platinum AC Power Supply
Power Distribution Units			
-	73P5847*	-	DPI 60A/208v 3-Phase High Density C19 PDU w/IEC309 3P+Gnd Connector
-	40K9615	-	DPI 60a Cord (IEC 309 2P+G)
-	40K9614	-	DPI 30a Cord (NEMA L6-30P)
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	40K9620*	-	IBM UPS3000 Ebm
-	39Y8857*	-	IBM UPS 3U Online Battery Pack
-	21304RX*	-	IBM UPS 10000Xhvv
-	21302RX*	-	IBM UPS3000 HV
-	21301RX*	-	IBM UPS3000 LV
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)

-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	39M2894*	-	Virtual Media Conversion Option
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93061RX*	-	NetBAY11 Standard Rack
-	17235RX*	-	IBM Rack Keyboard Tray
-	17231RX*	-	IBM 1U 17" Flat Panel console Kit w/ Optical Drive Bay
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	17237RX	-	IBM 19" Fixed Shelf Option
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	31R3132*	-	IBM 3M Console Switch Cable (USB)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	17354GX*	-	Global 4x16 Console Mngr (GCM4)
-	17233RX*	-	IBM 1U 15" Flat Panel Console Kit

-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
90Y3510	-	A1DQ	3m QSFP+-to-QSFP+ cable
00D3850	-	A2U6	Advanced Lightpath Kit
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
39Y8072	-	3757	Single Cable USB Conversion Option (UCO)
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
Fiber Cables			
13N1943	39M5697*	3704	5m LC-LC Fiber Cable
13N1944	39M5698*	3705	25m LC-LC Fiber Cable
00KF043	00KF007	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	00KF008	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	00KF009	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	00KF010	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	00KF011	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	00KF012	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	40K9772	-	C19 4.3 meter Line Cord - NEMA L6-20P
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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System x3650 M4 (7915 E-2600 v2)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	39M5636*	-	DDS Gen 6 USB Tape Drive	TD	USB	89mm (5.25in) HH	-
-	46C5399*	-	DDS Generation 5 USB Tape Drive	TD	USB	89mm (5.25in) HH	-
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	44E8895*	-	IBM Half High LTO Gen 4 SAS Tape Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2788	-	RDX Internal USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D2787	-	RDX Internal USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	00D2786	-	RDX Internal USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-
-	44E8869*	-	USB Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 BD (5466)

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- At a glance
- Options

Table 1. System x3650 M4 BD (5466) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
5466-A2Y	-	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-A4Y	-	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-B2Y	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-C2Y	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-C4Y	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-D2Y	-	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 1600MHz 60W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-F2Y	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-F4Y	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y
5466-G2Y	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	8GB / 512GB	2U rack	1/2 LC	P,H	Y

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Table 1. System x3650 M4 BD (5466) at-a-glance (continued)

Part number1	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
5466-A2Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3
5466-A4Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3
5466-B2Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3
5466-C2Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3
5466-C4Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3
5466-D2Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3
5466-F2Y	-	Triple 1GB	N2115 SAS/SATA HBA / H1110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	1/3
5466-F4Y	-	Triple 1GB	N2115 SAS/SATA HBA / H1110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	1/3

5466-G2Y	-	Triple 1GB	M5110 SAS/SATA Controller	Hot Swap 3.5" SATA/SAS	0GB / 56TB	None	0/14	2/3

- Notes:**
- 1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5466-D2Y is 5466-D2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
 - 2. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
 - 3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
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System x3650 M4 BD (5466)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc				
SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00AL063	-	A4RX	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	A2Y, A4Y
00AL064	-	A4RY	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	B2Y
00AL065	-	A4RZ	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	C2Y, C4Y
00AL066	-	A4S1	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 1600MHz 60W	D1Y
00AL067	-	A4S2	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache1600MHz 95W	-
00AL068	-	A4S3	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	F2Y, F4Y, G2Y
00AL069	-	A4S4	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	-
00AL070	-	A4S5	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHz 70W	-
00AL122	-	A4TB	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	-
00AM184	-	A4S0	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	-
00AM185	-	A4T9	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 1866MHz 115W	-
00AM186	-	A4TA	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	-
00KA563	-	A5GR	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB Cache 1866MHz 70W	-
00KA564	-	A5GS	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB Cache 1600MHz 70W	-
Additional processor				
00AL123	00AL147	A4TF	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 115W	-
00AL124	00AL148	A4TG	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 115W	-
00AL125	00AL149	A4TH	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 115W	-
00AM175	00AL138	A4S6	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 80W	-
00AM176	00AL139	A4S7	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 80W	-
00AM177	00AL140	A4S8	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 80W	-
00AM178	00AL141	A4S9	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 80W	-
00AM179	00AL142	A4SE	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 60W	-
00AM180	00AL143	A4SC	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 95W	-
00AM181	00AL144	A4SB	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 95W	-
00AM182	00AL145	A4SA	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 95W	-
00AM183	00AL146	A4SD	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache70W	-
00KA565	00KA569	A5H1	Addl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB 1866MHz 70W	-
00KA566	00KA570	A5H2	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHz 70W	-

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System x3650 M4 BD (5466)

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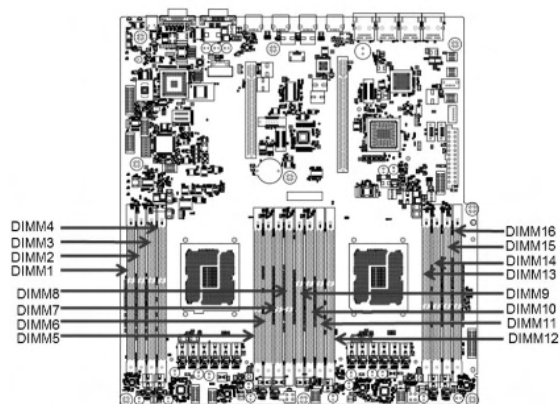
- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
00D5015	00D5016	A3QC	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
00D5019	00D5020	A3QD	4GB (1x4GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5023	00D5024	A3QE	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5031	00D5032	A3QG	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5035	00D5036	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5043	00D5044	A3QK	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5047	00D5048	A3QL	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
46W0671	46W0672	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM

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Figure 1. System Board DIMM Connectors



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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration

Table 2. DIMM Population Sequence Independent Channel Mode

CPU	Slot
One CPU	8 → 6 → 1 → 3 → 7 → 5 → 2 → 4
Two CPU	8 → 16 → 6 → 14 → 1 → 9 → 3 → 11 → 7 → 15 → 5 → 13 → 2 → 10 → 4 → 12

Table 3. DIMM Population Sequence Mirror Mode

CPU	Slot
One CPU	8,6 → 1,3 → 7,5 → 2,4

Two CPU	8, 6,16,14 → 1, 3, 9, 11 → 7,5,15,13 → 2, 4, 10,12

Table 4. DIMM Population Sequence Sparing Mode

CPU	Slot
One CPU	8, 7 → 1, 2 → 6, 5 → 3, 4
Two CPU	8, 7, 16, 15 → 6, 5 → 14, 13 → 1, 2 → 9, 10 → 3, 4 → 11, 12

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System x3650 M4 BD (5466)

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• At a glance		• Options				
Processor Memory HDD I/O Pwr Acc						
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 3.5" HDDs						
90Y8569	90Y8567	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€13	14
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€13	14
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€13	14
-	49Y6097*	-	450GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€13	14
49Y6094	49Y6092	A3DV	300GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€13	14
49Y6104	49Y6102	A3DX	600GB 15K 6Gbps SAS 3.5" G2HS HDD	LFF	0â€13	14
49Y6212	49Y6210	A4AF	4TB 7.2K 6Gbps NL SAS 3.5 G2HS HDD	LFF	0â€13	14
-	00ML228*	-	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€13	14
-	00ML223*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€13	14
-	00ML218*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€13	14
-	00ML208*	-	4TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00ML203*	-	2TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€13	14
00ML215	00ML213	AS78	6TB 7.2K 6Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00FN258*	-	IBM 6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	-	-	-
-	00FN248*	-	IBM 4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	-	-	-
-	00FN238*	-	IBM 2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	-	-	-
SATA Hot-Swap 3.5" HDDs						
81Y9788	81Y9786	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
81Y9792	81Y9790	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€13	14
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€13	14
SATA Hot-Swap 3.5" Solid State Drives						
-	00W1301*	-	512GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00W1296*	-	256GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00W1291*	-	128GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00W1286*	-	64GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00AJ440*	-	240GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
00AJ437	00AJ435	A57F	120GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
00AJ447	-	A57H	480GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€13	14
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	LFF	0â€13	14
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	LFF	0â€13	14
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	LFF	0â€13	14
00YC422	00YC420	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	0â€13	14
Associated HDD Options						
00AL036	00FK886	A4RT	Rear Backplane, 2x3.5" HDD Extension To Front Array (14HDD Array)	-	-	-
00AL037	00AL184	A4RU	Rear Backplane, 2x3.5" HDD Separate Array	-	-	-

00Y8329	-	A483	Populate and Boot From Rear Drives	-	-	-
External storage expansion units						
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3650 M4 BD (5466)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCI-E x8	1, 2	N	2
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCI-E x8	1, 2	N	2
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCI-E x8	1, 2	N	2
-	42C1800*	-	QLogic 10Gb CNA	Half	PCI-E x8	1, 2	N	2
49Y4219	-	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
81Y4493	81Y4492	A1XL	ServeRAID H1110 SAS/SATA Controller	Half	PCI-E x4	2	N	1
46C8967	81Y4481	A347	ServeRAID M5110 SAS/SATA Controller	Half	PCI-E x8	3	N	1
81Y4450	81Y4448	A1MZ	ServeRAID M1115 SAS/SATA Controller	Half	PCI-E x8	3	N	1
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCI-E x8	1, 2	N	2
81Y4486	81Y4484	A1J3	ServeRAID M5100 Series 512MB Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4545	81Y4544	A1X2	ServeRAID M5100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
81Y4588	81Y4508	A22E	ServeRAID M5100 Series Battery Kit	-	-	-	-	-
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4311	81Y4542	A1X1	ServeRAID M1100 Series Zero Cache/RAID 5 Upgrade	-	-	-	-	-
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCI-E x8	1, 2	N	2
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCI-E x8	1, 2	N	2
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCI-E x8	1, 2	N	2
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCI-E x8	1, 2	N	2
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x8	1	N	1
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1	N	1
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	1	N	1
49Y7983	-	A3JS	Intel X520 Dual Port 10GbE SFP+ Embedded Adapter	Half	PCI-E x8	1	N	1
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1, 2	N	2
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1, 2	N	2
46C8987	46C8988	A3MW	N2115 SAS/SATA Hba	Half	PCI-E x8	3	N	1
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCI-E x8	1,2	N	2
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCI-E x8	3	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCI-E x8	3	N	1
47C8707	-	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	-	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	-	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	00AE886*	-	ServeRAID F5115-800GB SAS/SATA Controller	Half	PCI-E x8	3	N	1
-	00AE882*	-	ServeRAID F5115-200GB SAS/SATA Controller	Half	PCI-E x8	3	N	1
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCI-E x8	1, 2	N	1

00AE917	00AE916	A5M1	N2226 SAS/SATA Hba	Half	PCI-E x16	1	N	1
00AE931	-	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCI-E x8	3	N	1
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8672	47C8670	A4G6	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00AE867*	-	Flash Adapter F3200 Enterprise Value	Half	PCI-E x8	1	N	1
-	00AE864*	-	Flash Adapter F1650 Enterprise Value	Half	PCI-E x8	1, 2	N	2
-	00AE861*	-	Flash Adapter F825 Enterprise Value	Half	PCI-E x8	1, 2	N	2
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2	N	2
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1, 2	N	2
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCI-E x8	1, 2	N	2
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	1, 2	N	2
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	1, 2	N	2
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	1, 2	N	2
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2	N	2
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2	N	2
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCI-E x8	1, 2	N	2
95Y3761	-	A2U2	Emulex VFA III/IIr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	PCI-E x4	1, 2	N	2
-	49Y4220*	-	NetXtreme II 1000 Express Quad Port Ethernet Adapter	Half	PCI-E x4	1, 2	N	2
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1, 2	N	2
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x4	1, 2	N	2
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x1	1, 2	N	2
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Full	PCI-E x8	1, 2	N	2
00Y5625	-	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1, 2	N	2
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E x8	1, 2	N	2
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E x8	1, 2	N	2
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCI-E x8	1, 2	N	2
44T1363	-	A4YQ	Broadcom NetXtreme 2x10 GbE SFP+ Mezz Adapter	Full	PCI-E x8	1	N	1
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Full	PCI-E x8	1, 2	N	2
00AL115	00AL185	A4XG	Broadcom Dual Port 10GbE SFP+ Interposer	-	-	-	-	-
00AL648	00AL652	A4X6	Broadcom Single Port 10GbE SFP+ Interposer	-	-	-	-	-
00AL649	00AL653	A4X7	Intel X520 Dual Port 10GbE SFP+ Interposer	-	-	-	-	-
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	PCI-E x8	1, 2	N	2
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	PCI-E x8	1, 2	N	2
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	PCI-E x4	1, 2	N	2
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	PCI-E x4	1, 2	N	2
90Y9374	-	A2VX	Broadcom NetXtreme I Quad Port GbE Adapter - 2U Bracket	-	-	-	-	-
90Y9377	-	A2VY	Broadcom NetXtreme I Dual Port GbE Adapter - 2U Bracket	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	-	-	-	-	-
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	-	-	-	-	-
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	-	-	-	-	-
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	-	-	-	-	-
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Full	PCI-E x8	1, 2	N	2
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCI-E x8	1, 2	N	2
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E x8	1, 2	N	2
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E x8	1, 2	N	2
00D9679	-	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
00D8541	00D8540	A4XH	Emulex Dual Port 10GbE SFP+ VFA IIIr	Half	PCI-E x8	1, 2	N	2
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E x8	1	N	1
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E x8	1	N	1

81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E x8	1, 2	N	2
Video Adapters								
90Y2384	-	A3WH	NVIDIA Quadro K600	Full	PCI-E x16	1	N	1
Other I/O								
00AL019	-	A4T8	1U Riser Card, One PCIe x16 slot	-	-	-	-	-
00AL072	-	A4T6	1U Riser Card, Two PCIe x8 Slots	-	-	-	-	-
00AL073	-	A4T7	1U Riser Card, One PCIe x8 slot (For Slotless RAID only)	-	-	-	-	-
81Y4587	-	A22G	950MM Cable for ServRAID M5100 Series Battery Kit	-	-	-	-	-
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00KF038	-	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	-	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	-	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	-	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	-	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	-	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
44T1367	-	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-

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System x3650 M4 BD (5466)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
00AL076	-	A4RV	750W High Efficiency Platinum AC Power Supply
00AL077	-	A4RW	900W High Efficiency Platinum AC Power Supply
Uninterruptible Power Supply (UPS)			
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Rack and rack Options			
39Y7960	-	3756	USB Conversion Option Pack
69Y2045	-	5340	Serial Conversion Option (SCO)
69Y2046	-	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade
Keyboard and Mouse			
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+-to-QSFP+ cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
Associated Options			
42C2060	39R6529	3708	1M SAS Cable
42C2061	39R6531	3707	3M SAS Cable
39Y8072	-	3757	Single Cable USB Conversion Option (UCO)
90Y6165	-	A207	Rail Kit for x3650 M4 BD, x3630 M4 and x3530 M4
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
00AL111	-	A4TK	Cable, IPASS, semi-HD, 820mm for 12Gb cards

00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
Fiber Cables			
00KF043	-	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	-	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	-	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	-	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	-	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	-	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	-	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	-	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	-	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	-	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)

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System x3650 M5 (5462)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. System x3650 M5 (5462) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Rack cord)	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
5462-52Y	-	1 x Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-62Y	-	1 x Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-A2Y	-	1 x Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	2U Rack	1/2 RC	P, F	Y
5462-B2Y	-	1 x Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	2U Rack	1/2 RC	P, F	Y
5462-C2Y	-	1 x Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-C4Y	-	1 x Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-D2Y	-	1 x Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-D4Y	-	1 x Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-EAY4	-	1 x Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-EBY4	-	1 x Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-ECY4	-	1 x Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-EDY4	-	1 x Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-EEY4	-	1 x Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-EFY4	-	2 x Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	2/2	32GB / 1536GB	2U Rack	2/2 RC	P, H, F	Y
5462-EGY4	-	2 x Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	2/2	64GB / 1536GB	2U Rack	2/2 RC	P, H, F	Y
5462-F2Y	-	1 x Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-F4Y	-	1 x Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-G2Y	-	1 x Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-J2Y	-	1 x Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-L2Y	-	1 x Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-M2Y	-	1 x Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB Cache 2133MHz 145W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NAY	-	1 x Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NBY	-	1 x Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	8GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NCY	-	1 x Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NDY	-	1 x Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NEY	-	1 x Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y

5462-NFY	-	2 x Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	2/2	32GB / 1536GB	2U Rack	2/2 RC	P, H, F	Y
5462-NHY	-	2 x Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	2/2	64GB / 1536GB	2U Rack	2/2 RC	P, H, F	Y
5462-NJY	-	1 x Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NKY	-	1 x Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NMY	-	2 x Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	2/2	64GB / 1536GB	2U Rack	2/2 RC	P, H, F	Y
5462-NNY	-	1 x Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB Cache 2133MHz 135W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-NPY	-	1x Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB 2133MHz 145W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-N2Y	-	1 x Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-P2Y	-	1 x Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y
5462-Q2Y	-	1 x Intel Xeon Processor E5-2697 v3 14C x. xGHz xxMB Cache 2133MHz 145W	1/2	16GB / 1536GB	2U Rack	1/2 RC	P, H, F	Y

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Table 1. System x3650 M5 (5462) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max) ³	Optical drive	Bays (total/avail)	Slots (total/avail)
5462-52Y	-	Quad port 1Gb	ServeRAID M5210+ 1GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-62Y	-	Quad port 1Gb	ServeRAID M5210+ 2GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-A2Y	-	Quad port 1Gb	Non-RAID	SFF Simple-Swap	*0GB/15TB (=960GBx 16)	Optional	17(1x ODD)/9 (1x ODD)	9/2
5462-B2Y	-	Quad port 1Gb	Non-RAID	LFF Simple-Swap	0GB/48TB (=6TB x8)	Optional	9(1x ODD)/9 (1x ODD)	9/2
5462-C2Y	-	Quad port 1Gb	ServeRAID M1215	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-C4Y	-	Quad port 1Gb	ServeRAID M1215	LFF Hot-Swap	*0GB/60TB (=6GBx 10) 0GB/48GB (=6GBx 8)	Optional	*11(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-D2Y	-	Quad port 1Gb	ServeRAID M5210+ 1GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-D4Y	-	Quad port 1Gb	ServeRAID M5210+ 1GB Flash	LFF Hot-Swap	*0GB/86.4TB (=6TBx 14+ 1.2TBx 2) 0GB/72GB (=6TBx 12)	N/A	*16(4x Rear)/12	9/1
5462-EAY ⁴	-	Quad port 1Gb	ServeRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Multi-Burner	*18(2x Rear)/ 8	9/1
5462-EBY ⁴	-	Quad port 1Gb	ServeRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Multi-Burner	*18(2x Rear)/ 8	9/1
5462-ECY ⁴	-	Quad port 1Gb	ServeRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Multi-Burner	*18(2x Rear)/ 8	9/1
5462-EDY ⁴	-	Quad port 1Gb	ServeRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Multi-Burner	*18(2x Rear)/ 8	9/1
5462-EEY ⁴	-	Quad port 1Gb	ServeRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Multi-Burner	*18(2x Rear)/ 8	9/1
5462-EFY ⁴	-	Quad port 1Gb	ServeRAID M5210+ 2GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Multi-Burner	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1

5462-EGY4	-	Quad port 1Gb	ServerRAID M5210+ 4GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/19.2TB (=1.2TBx 16)	Multi-Burner	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-F2Y	-	Quad port 1Gb	ServerRAID M5210+ 1GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-F4Y	-	Quad port 1Gb	ServerRAID M5210+ 1GB Flash	SFF Hot-Swap	*0GB/31.2TB (=1.2TBx 26) 0GB/9.6TB (=1.2TBx 8)	N/A	*26(2x Rear)/8	9/1
5462-G2Y	-	Quad port 1Gb	ServerRAID M5210+ 1GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-J2Y	-	Quad port 1Gb	ServerRAID M5210+ 2GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-L2Y	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-M2Y	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NAY	-	Quad port 1Gb	ServerRAID M1215	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NBY	-	Quad port 1Gb	ServerRAID M1215	LFF Hot-Swap	*0GB/60TB (=6GBx 10) 0GB/48GB (=6GBx 8)	Optional	*11(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NCY	-	Quad port 1Gb	ServerRAID M1215	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NDY	-	Quad port 1Gb	ServerRAID M1215	LFF Hot-Swap	*0GB/60TB (=6GBx 10) 0GB/48GB (=6GBx 8)	Optional	*11(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NEY	-	Quad port 1Gb	ServerRAID M5210	LFF Hot-Swap	*0GB/60TB (=6GBx 10) 0GB/48GB (=6GBx 8)	Optional	*11(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NFY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NHY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NJY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NKY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NMY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NNY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-NPY	-	Quad port 1Gb	ServerRAID M5210	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-N2Y	-	Quad port 1Gb	ServerRAID M5210+ 2GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-P2Y	-	Quad port 1Gb	ServerRAID M5210+ 2GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1
5462-Q2Y	-	Quad port 1Gb	ServerRAID M5210+ 2GB Flash	SFF Hot-Swap	*0GB/21.6TB (=1.2TBx 18) 0GB/9.6TB (=1.2TBx 8)	Optional	*19(2x Rear+1x ODD)/ 9 (1x ODD)	9/1

Notes:

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1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5462-A2Y is 5462-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
3. To achieve the maximum capacity, the below option(s) is(are) needed.
 - 1) 00FK676 + RAID
 - 2) 00FK661 expander
 - 3) 00FK658 RAID or expander
 - 4) 00FK659 + RAID
4. TopSeller model.

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System x3650 M5 (5462)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00FK548	-	A5EB	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	A2Y
00FK549	-	A5EC	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	B2Y
00FK550	-	A5ED	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	C2Y, C4Y
00FK551	-	A5EE	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	D2Y, D4Y
00FK552	-	A5GT	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	F2Y, F4Y
00FK553	-	A5GU	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	G2Y
00FK555	-	A5GV	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	62Y
00FK556	-	A5GW	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	J2Y
00FK557	-	A5GX	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	L2Y
00FK563	-	A5EF	Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	52Y
00KF369	-	ARYJ	Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB Cache 2133MHz 145W	M2Y
00KG806	-	ASDA	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	-
00KG807	-	ASDB	Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB Cache 2133MHz 120W	-
00KG808	-	ASDC	Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB Cache 2133MHz 120W	-
00KG809	-	ASDD	Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB Cache 2133MHz 120W	-
00KG810	-	ASDE	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	-
00KG811	-	ASDF	Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB Cache 2133MHz 135W	-
00KG812	-	ASDG	Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB Cache 2133MHz 65W	-
00KG813	-	ASDH	Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB Cache 1866MHz 105W	-
00KG814	-	ASDJ	Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB Cache 2133MHz 135W	-
00KG815	-	ASDK	Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB Cache 2133MHz 135W	-
00KG816	-	ASDL	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	-
Additional processor				
00FK564	00FK640	A5EG	Addl Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB 1600MHz 85W	-
00FK565	00FK641	A5EH	Addl Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB 1600MHz 85W	-
00FK566	00FK642	A5EJ	Addl Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB 1866MHz 85W	-
00FK567	00FK643	A5EK	Addl Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB 1866MHz 85W	-
00FK568	00FK644	A5EL	Addl Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB 1866MHz 90W	-
00FK569	00FK645	A5EM	Addl Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB 2133MHz 105W	-
00FK571	00FK647	A5EN	Addl Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB 2133MHz 120W	-
00FK572	00FK648	A5EP	Addl Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB 2133MHz 120W	-
00FK573	00FK649	A5EQ	Addl Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB 2133MHz 135W	-
00FK579	00FK655	A5ES	Addl Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB 1866MHz 55W	-
00KF371	00KF372	ARYT	Addl Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB 2133MHz 145W	-
00KG817	00KG839	ASDM	Addl Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB 2133MHz 105W	-
00KG818	00KG840	ASDN	Addl Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB 2133MHz 120W	-
00KG819	00KG841	ASDP	Addl Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB 2133MHz 120W	-
00KG820	00KG842	ASDQ	Addl Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB 2133MHz 120W	-
00KG821	00KG843	ASDR	Addl Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB 2133MHz 145W	-
00KG822	00KG844	ASDS	Addl Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB 2133MHz 135W	-
00KG823	00KG845	ASDT	Addl Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB 2133MHz 65W	-
00KG824	00KG846	ASDU	Addl Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB 1866MHz 105W	-

00KG825	00KG847	ASDV	Addl Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB 2133MHz 135W	-
00KG826	00KG848	ASDW	Addl Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB 2133MHz 135W	-
00KG827	00KG849	ASDX	Addl Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB 2133MHz 135W	-
00MU284	00MU296	ASL0	Addl Intel Xeon Processor E5-2608L v3 6C 2.0GHz 15MB 1866MHz 52W	-
00MU285	00MU297	ASL1	Addl Intel Xeon Processor E5-2618L v3 8C 2.3GHz 20MB 1866MHz 75W	-
00MU286	00MU298	ASL2	Addl Intel Xeon Processor E5-2628L v3 10C 2.0GHz 25MB 1866MHz 75W	-
00MU287	00MU299	ASL3	Addl Intel Xeon Processor E5-2648L v3 12C 1.8GHz 30MB 2133MHz 75W	-
00MU288	00MU300	ASL4	Addl Intel Xeon Processor E5-2658 v3 12C 2.2GHz 30MB 2133MHz 105W	-

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System x3650 M5 (5462)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
TruDDR4 Memory			
46W0783	46W0784	A5B6	4GB TruDDR4 Memory (1Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0787	46W0788	A5B5	8GB TruDDR4 Memory (1Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0791	46W0792	A5B8	8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0795	46W0796	A5B7	16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0799	46W0800	A5B9	32GB TruDDR4 Memory (4Rx4, 1.2V) PC417000 CL15 2133MHz LP LRDIMM
95Y4811	-	A5UK	64GB TruDDR4 Memory (4Rx4,1.2V) PC4-17000 CL15 2133MHz LP LRDIMM
95Y4807	95Y4808	A5UJ	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM

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Figure 1. System 3650 M5 (5462) Memory DIMM assignment and installation sequence

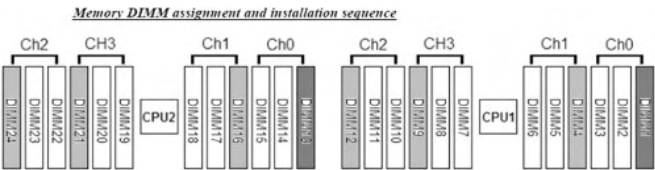
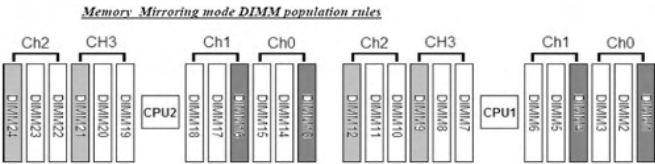


Figure 2. System 3650 M5 (5462) Memory Mirroring mode DIMM population rules



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Table 1. Standard Memory Configuration

Model Std. DIMM Configuration

Table 2. Memory Sparring DIMM Population sequence when there are all quad-rank LRDIMMs selected on the order

CPU	Slot
One CPU	1 → 4 → 9 → 12 → 2 → 5 → 8 → 11 → 3 → 6 → 7 → 10
Two CPU	1 → 13 → 4 → 16 → 9 → 21 → 12 → 24 → 2 → 14 → 5 → 17 → 8 → 20 → 11 → 23 → 3 → 15 → 6 → 18 → 7 → 19 → 10 → 22

Table 3. Memory Sparring DIMM Population sequence when there are single-rank or dual-rank or intermixed both ranks DIMMs selected by "even" on the order

CPU	Slot
One CPU	(1, 2) → (4, 5) → (8, 9) → (11, 12) → (3, 6) → (7, 10)
Two CPU	(1, 2) → (13, 14) → (4, 5) → (16, 17) → (8, 9) → (20, 21) → (11, 12) → (23, 24) → (3, 6) → (15, 18) → (7, 10) → (19, 22)

Table 4. Memory Sparing DIMM Population sequence when there are single-rank or dual-rank or intermixed both ranks DIMMs selected by "odd" on the order.

CPU	Slot
One CPU	(1, 2, 3) → (4, 5) → (8, 9) → (11, 12) → (6, 7)
Two CPU	(1, 2, 3) → (13,14) → (4, 5) → (16, 17) → (8, 9) → (20, 21) → (11, 12) → (23, 24) → (6, 15) → (7, 18) → (10, 22)

Table 5. Mirroring Mode DIMM population sequence

CPU	Slot
One CPU	(1, 4) → (9, 12) → (2, 5) → (8, 11) → (3, 6) → (7, 10)
Two CPU	(1, 4) → (13, 16) → (9, 12) → (21, 24) → (2, 5) → (14, 17) → (8, 11) → (20, 23) → (3, 6) → (15, 18) → (7, 10) → (19, 22)

Table 6. Non-Mirroring Mode DIMM population sequence

CPU	Slot
One CPU	1 → 4 → 9 → 12 → 2 → 5 → 8 → 11 → 3 → 6 → 7 → 10
Two CPU	1 → 13 → 4 → 16 → 9 → 21 → 12 → 24 → 2 → 14 → 5 → 17 → 8 → 20 → 11 → 23 → 3 → 15 → 6 → 18 → 7 → 19 → 10 → 22

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System x3650 M5 (5462)

Attention:

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At a glance Options						
Processor Memory HDD I/O Pwr Acc						
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AJ073	00AJ071	A4TN	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ083	00AJ081	A4TR	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ088	00AJ086	A4TU	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ093	00AJ091	A4TM	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ098	00AJ096	A4TL	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ123	00AJ121	A4TT	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ148	00AJ146	A4TP	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ128	00AJ126	A4TS	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA223	00NA221	ASBB	300GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA233	00NA231	ASBD	600GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA243	00NA241	ASBF	600GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA253	00NA251	ASBH	900GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA263	00NA261	ASBK	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA273	00NA271	ASBM	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28

00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SAS Hot-Swap 3.5" HDDs						
00FN190	00FN188	A5VP	2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00FN210	00FN208	A5VQ	4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00FN230	00FN228	A5VR	6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
90Y8574	90Y8572	A2U0	2TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
90Y8579	90Y8577	A2R2	3TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
90Y8569	-	A26M	1TB 7.2K 6Gbps NL SAS 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00WG677	00WG675	AT87	300GB 15K 12Gbps SAS 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00WG682	00WG680	AT88	600GB 15K 12Gbps SAS 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
SAS Hot-Swap 2.5" Solid State Drives						
00AJ219	00AJ217	A4UC	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00FN424*	-	800GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00FN419*	-	400GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00FN381	00FN379	AS7C	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00FN391	00FN389	AS7E	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00FN401	00FN399	AS7G	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00FN411	00FN409	AS7J	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00AJ222*	-	1.6TB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28

00AJ209	00AJ207	A4UA	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ214	00AJ212	A4UB	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SAS Simple-Swap 2.5" Solid State Drives						
-	00FN414*	-	1.6TB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0â€¦15 (Front)	16
-	00FN404*	-	800GB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0â€¦15 (Front)	16
-	00FN394*	-	400GB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0â€¦15 (Front)	16
-	00FN384*	-	200GB 12G SAS 2.5" MLC G3SS Enterprise SSD	SFF	0â€¦15 (Front)	16
SATA Hot-Swap 2.5" HDDs						
00AJ138	00AJ136	A4TW	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ143	00AJ141	A4TX	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SATA Hot-Swap 3.5" HDDs						
-	00FN158*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN128*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00FN115	00FN113	A5VD	2TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	-	-	-
00FN145	00FN143	A5VH	4TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00FN175	00FN173	A5VM	6TB 7.2K 6Gbps NL SATA 3.5" G2HS 512e HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
81Y9796	81Y9794	A22T	2TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
81Y9800	81Y9798	A22S	3TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
49Y6004	49Y6002	A3W9	4TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
81Y9788	-	A22Y	500GB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
81Y9792	-	A22P	1TB 7.2K 6Gbps NL SATA 3.5" G2HS HDD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
SATA Hot-Swap 2.5" Solid State Drives						
00AJ163	00AJ161	A4U4	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ407	00AJ405	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28

-	00FN347	-	960GB SATA 2.5" MLC G3HS Entry SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ158	-	A4U3	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ168	-	A4U5	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ397	00AJ395	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ402	00AJ400	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ412	00AJ410	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00FN337	-	240GB SATA 2.5" MLC G3HS Entry SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00FN344	00FN342	AS0H	480GB SATA 2.5" MLC G3HS Entry SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00FN288*	-	S3500 1.6TB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN278	-	S3500 1.6TB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ173	00AJ171	A4U6	S3500 120GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ178	00AJ176	A4U7	S3500 240GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ183	00AJ181	A4U8	S3500 480GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00AJ188	00AJ186	A4U9	S3500 800GB Enterprise Value SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA690	00YC529	ATDW	M500DC 480GB Enterprise Mainstream Plus SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SATA Hot-Swap 3.5" Solid State Drives						
00AJ487	00AJ485	A56H	S3700 400GB SATA 3.5" MLC HS Enterprise SSD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
00AJ492	00AJ490	A56J	S3700 800GB SATA 3.5" MLC HS Enterprise SSD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00AJ450*	-	800GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€¦11 (Front) 12.13 or 24.25(Rear)	12/*14

-	00AJ440*	-	240GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
00AJ437	00AJ435	A57F	120GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
00AJ447	00AJ445	A57H	480GB SATA 3.5" MLC HS Enterprise Value SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN362	-	960GB SATA 3.5" MLC HS Entry SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN357*	-	480GB SATA 3.5" MLC HS Entry SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN352*	-	240GB SATA 3.5" MLC HS Entry SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
00YC422	00YC420	AT8Y	960GB Enterprise Entry SATA HS 3.5" SSD	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
SATA Simple-Swap 2.5" HDDs						
00NA607	00NA597	ASLC	500GB 7.2K 6Gbps NL SATA 2.5" G3SS HDD	SFF	0â€15 (Front)	16
00NA632	00NA622	ASLD	1TB 7.2K 6Gbps NL SATA 2.5" G3SS HDD	SFF	0â€15 (Front)	16
00NA538	00NA536	AT82	2TB 7.2K 6Gbps NL SATA 2.5 G3SS 512e HDD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SATA Simple-Swap 3.5" HDDs						
-	00FN178*	-	6TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€7	8
-	00FN163*	-	5TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€7	8
-	00FN148*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€7	8
-	00FN133*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	LFF	0â€7	8
-	00FN118*	-	2TB 7.2K 6Gbps NL SATA 3.5" G2SS 512e HDD	-	-	-
-	81Y9814*	-	3TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€7	8
81Y9812	81Y9810	A22W	2TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€7	8
-	49Y6012*	-	4TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€7	8
81Y9804	-	A22U	500GB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€7	8
81Y9808	-	A22X	1TB 7.2K 6Gbps NL SATA 3.5" G2SS HDD	LFF	0â€7	8
SATA Simple-Swap 2.5" Solid State Drives						
-	00FN475*	-	960GB SATA 2.5" MLC G3SS Entry SSD	SFF	0â€15 (Front)	16
Enterprise Capacity MLC Solid State Drives						
00NA673	00NA671	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SAS Hot-Swap 3.5" SED						
-	00FN258*	-	6TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN248*	-	4TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
-	00FN238*	-	2TB 7.2K 12Gbps NL SAS 3.5" G2HS 512e SED	LFF	0â€11 (Front) 12.13 or 24.25(Rear)	12/*14
SAS Hot-Swap 2.5" SED						
-	00NA306*	-	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00NA296*	-	900GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28

-	00NA286*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0...23 (Front) 28.29(Rear)	24/*28
-	00NA281*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA293	00NA291	ASBR	600GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00NA303	00NA301	ASBT	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
SAS Hot-Swap 2.5" Hybrid HDDs						
-	00NA321*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
-	00NA311*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	SFF	0...23 (Front) 28.29 or 24.25(Rear)	24/*28
Optical drives						
00FL350	00AM066	A5KG	9.5mm Ultra-Slim SATA DVD-ROM	Ultra Slim	-	1
00FL351	00AM067	A5KH	9.5mm Ultra-Slim SATA Multi-Burner	Ultra Slim	-	1
Associated HDD Options						
00FK542	00MU148	A5GC	x3650 M5 8x 3.5" SS HDD ServeRAID Assembly Kit	-	-	-
00FK624	00MU147	A5GB	x3650 M5 8x 2.5" SS HDD ServeRAID Assembly Kit	-	-	-
00FK899	00FK660	A5G0	System x3650 M5 Lockable Bezel	-	-	-
00FK605	-	A5G6	x3650 M5 8x 2.5" HS HDD Assembly Kit (Single RAID)	-	-	-
00FK607	-	A5GE	x3650 M5 12x 3.5" HS HDD Assembly Kit	-	-	-
00FK608	-	A5GH	System x3650 M5 Rear 2x 2.5" HDD Kit (Independent RAID)	-	-	-
00FK609	-	A5GK	System x3650 M5 Rear 2x 3.5" HDD Kit (Independent RAID)	-	-	-
00FK900	-	A5G7	x3650 M5 24x 2.5" HS HDD Assembly Kit (Single RAID)	-	-	-
00FK902	-	A5G8	x3650 M5 24x 2.5" HS HDD Assembly Kit (Triple RAID)	-	-	-
00FK903	-	A5G9	x3650 M5 8x 2.5" SS HDD Assembly Kit (non-RAID)	-	-	-
00FK904	-	A5GA	x3650 M5 8x 3.5" SS HDD Assembly Kit (non-RAID)	-	-	-
00FK905	-	A5GD	x3650 M5 8x 3.5" HS HDD Assembly Kit	-	-	-
00FK906	-	A5GF	x3650 M5 16x 2.5" HS HDD Assembly Kit (Single RAID)	-	-	-
00FK907	-	A5GG	x3650 M5 16x 2.5" HS HDD Assembly Kit (Dual RAID)	-	-	-
00FK911	-	A5GL	System x3650 M5 Rear 2x 3.5" HDD Kit (Cascaded)	-	-	-
00KC643	-	A5TN	x3650 M5 24x 2.5" HS HDD Assembly Kit (Dual RAID)	-	-	-
00Y8329	-	A483	Populate and Boot From Rear Drives	-	-	-
00Y8330	-	A484	Populate Rear Drives	-	-	-
44X4127	-	A4EL	HDD Filler ASM GEN 3 Quad Filler	-	-	-
-	00FK676	-	System x3650 M5 Plus 8x 2.5" HS HDD Assembly Kit	-	-	-
-	00FK661	-	System x3650 M5 Plus 8x 2.5" HS HDD Assembly Kit with Expander	-	-	-
-	00FK659	-	System x3650 M5 Rear 2x 3.5" HDD Kit	-	-	-
-	00FK658	-	System x3650 M5 Rear 2x 2.5" HDD Kit	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
3.5" HS drives (Rear)				
26	3.5"	LFF	Y	HDD/SED
27	3.5"	LFF	Y	HDD/SED
3.5" drives (Front)				
0	3.5"	LFF	Y	HDD/SED
1	3.5"	LFF	Y	HDD/SED
10	3.5"	LFF	Y	HDD/SED
11	3.5"	LFF	Y	HDD/SED
2	3.5"	LFF	Y	HDD/SED
3	3.5"	LFF	Y	HDD/SED
4	3.5"	LFF	Y	HDD/SED
5	3.5"	LFF	Y	HDD/SED
6	3.5"	LFF	Y	HDD/SED
7	3.5"	LFF	Y	HDD/SED
8	3.5"	LFF	Y	HDD/SED
9	3.5"	LFF	Y	HDD/SED
2.5" HS drives (Rear)				
24	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
25	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
2.5" drives (Front)				
0	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
1	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
10	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
11	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
12	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
13	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
14	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
15	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
16	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
17	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
18	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
19	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
2	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
20	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
21	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
22	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
23	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
3	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
4	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
5	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
6	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
7	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
8	2.5"	SFF	Y	HDD/SSD/SED/Hybrid
9	2.5"	SFF	Y	HDD/SSD/SED/Hybrid

* Lenovo has withdrawn this product from marketing.

System x3650 M5 (5462)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe 4x	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe 4x	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe 8x	1CPU : 4, 1, 2, 3 2CPU : 4, 1, 6, 2, 7, 3, 8, 5	N	4/8
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe 8x	1CPU : 4, 1, 2, 3 2CPU : 4, 1, 6, 2, 7, 3, 8, 5	N	4/8
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe 8x	1CPU : 4, 1, 2, 3 2CPU : 4, 1, 6, 2, 7, 3, 8, 5	N	4/8
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe 8x	1CPU : 4, 1, 2, 3 2CPU : 4, 1, 6, 2, 7, 3, 8, 5	N	4/8
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCIe 8x	1CPU : 4, 2, 3 2CPU : 4, 5, 6, 2, 7, 3, 8	N	3/7
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCIe 8x	1CPU : 4, 2, 3 2CPU : 4, 5, 6, 2, 7, 3, 8	N	3/7
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCI-E x8	1CPU : Dedicated RAID slot 0, 4, 1 2CPU : Dedicated RAID slot 0, 4, 1, 6	N	3/3
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCI-E x8	1CPU : Dedicated RAID slot 0, 4, 1, 2 2CPU : Dedicated RAID slot 0, 4, 1, 6, 2, 7, 5	N	3/3
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-

47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
00AE913	00AE912	A5M0	N2225 SAS/SATA Hba	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, , 5, 1, 6, 2, 7, 8	N	3/7
00AE917	00AE916	A5M1	N2226 SAS/SATA Hba	Half	PCI-E x8	1CPU : 1, 2, 2CPU : 1, 6, 2, 7, 8	N	2/5
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCI-E x8	1CPU : Dedicated RAID slot 0, 4, 1, 2CPU : Dedicated RAID slot 0, 4, 1, 6,	N	3/3
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE937	00AE938	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	PCI-E x8	1CPU : 1, 2 2CPU : 1, 6, 2.	-	3/4
00AE984	00AE983	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	1CPU : 4,1 2CPU : 4, 5, 1, 6, 7.	N	2/5
00AE987	00AE986	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	1CPU : 4,1 2CPU : 4, 5, 1, 6, 7.	N	2/5
00AE990	00AE989	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	1CPU : 4,1 2CPU : 4, 5, 1, 6, 7.	N	2/5
00AE993	00AE992	ARYN	6400GB Enterprise Value io3 Flash Adapter	Half	PCIe 8x	1CPU : 1, 2, 3 2CPU : 1, 6, 2, 7, 3, 8	N	3/6
00AE996	00AE995	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCIe 8x	1CPU : 4,1 2CPU : 4, 5, 1, 6, 7.	N	2/5
00AE999	00AE998	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCIe 8x	1CPU : 4,1 2CPU : 4, 5, 1, 6, 7.	N	2/5
00JY002	00JY001	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCIe 8x	1CPU : 4,1 2CPU : 4, 5, 1, 6, 7.	N	2/5
00JY005	00JY004	ARYS	5200GB Enterprise io3 Flash Adapter	Half	PCIe 8x	1CPU : 1, 2, 3 2CPU : 1, 6, 2, 7, 3, 8	N	3/6
00ML702	00ML700	AS2V	Blank SD Media for System x	-	-	-	-	-
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	-	4/8
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, 5, 1, 6, 2, 7.	N	3/6
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, 5, 1, 6, 2, 7.	N	3/6
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, 5, 1, 6, 2, 7.	-	3/6
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	1CPU : 4, 1, 2. 2CPU : 4, 5, 1, 6, 2, 7.	N	3/6
00D1993	00D1994	A40P	Intel X540 ML2 Dual Port 10GbaseT Adapter	Half	PCI-E x8	2, 3 (ML2 slot)	N	1
00D1995	00D1996	A40Q	Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter	Half	PCI-E x8	2, 3 (ML2 slot)	N	1
00D1997	00D1998	A40R	Intel I350-T4 ML2 Quad Port GbE Adapter	Half	PCI-E x8	2, 3 (ML2 slot)	N	1
00D2025	00D2026	A40S	Broadcom NetXtreme II ML2 Dual Port 10GbaseT	Half	PCI-E x8	2, 3 (ML2 slot)	N	1
00D2027	00D2028	A40T	Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+	Half	PCI-E x8	2, 3 (ML2 slot)	N	1
00D8545	00D8544	A4NZ	Emulex VFA5 ML2 FCoE/iSCSI License (FoD)	-	-	-	-	-
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	N	4/8
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCI-E x8	1CPU : 1, 2, 3 2CPU : 5, 1, 6, 2, 7, 3, 8	-	3/7

00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCI-E x8	1CPU : 1, 2, 3 2CPU : 1, 6, 2, 7, 3, 8	-	3/6
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCI-E x8	1CPU : 4,1,2, 2CPU :4,5,1,6, 2, 7, 8	-	3/7
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	PCI-E x8	1CPU : 4,1, 2 2CPU : 4,5,1, 6, 2, 7, 8	-	3/7
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	PCI-E x16	1CPU : 1 2CPU : 1, 6	-	1/2
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	PCI-E x8	1CPU : 4,1, 2 2CPU : 4,5,1, 6, 2, 7, 8	-	3/7
47C9978	47C9977	A522	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, 5, 1, 6, 2, 7.	-	3/6
00FP653	00FP650	A5RK	Mellanox ConnectX-3 Pro ML2 2x40GbE/FDR VPI Adapter	Half	PCI-E x8	2, 3 (ML2 slot)	-	1
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, 5, 1, 6, 2, 7.	-	3/6
00JY825	-	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCI-E x8	1CPU : 4, 1, 2 2CPU : 4, 5, 1, 6, 2, 7.	-	3/6
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCI-E x8	1CPU :4, 1, 2 2CPU : 4,5,1, 6, 2, 7	-	3/6
94Y5201	94Y5200	AS74	Intel X710 ML2 4x10GbE SFP+ Adapter	Half	PCI-E x8	2, 3 (ML2 slot)	-	1
42C1783	42C1780	2995	Broadcom NetXtreme 2xGbE BaseT Adapter	-	PCI-E x4	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	-	4/8
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	-	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	-	4/8
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	-	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	-	4/8
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	-	PCI-E x4	1CPU : 4, 1, 2, 3 2CPU : 4, 1, 6, 2, 7, 3, 8, 5	-	4/8
00D9679	-	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	-	PCI-E x8	1CPU : 4, 1, 2, 3 2CPU : 4, 5, 1, 6, 2, 7, 3, 8.	-	4/8
Video Adapters								
90Y2396	-	A470	NVIDIA Grid K2 (Actively Cooled)	-	PCI-E x16	1CPU: 1 ; 2CPU: 1,6	-	1/2
90Y2409	-	A5FG	NVIDIA Tesla K40c	-	PCI-E x16	1CPU: 1 ; 2CPU: 1,6	-	1/2
90Y2433	-	AS3G	NVIDIA Grid K1 (Actively Cooled)	-	PCI-E x16	1CPU: 1 ; 2CPU: 1,6	-	1/2
90Y2372	-	A3YV	NVIDIA Quadro K6000	-	PCI-E x16	1CPU: 1 ; 2CPU: 1,6	-	1/2
90Y2404	-	A4G4	Intel Xeon Phi 3120A	-	PCI-E x16	1CPU: 1 ; 2CPU: 1,6	-	1/2
Other I/O								
46C3446	46C3447	5053	SFP+ SR Transceiver	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00FK543	00KA519	A5FQ	System x3650 M5 PCIe Riser 1 (2 x8 FH/FL + 1 x8 ML2 Slots)	-	-	-	-	-
00FK544	00KA504	A5FR	System x3650 M5 PCIe Riser 1 (1 x16 FH/FL + 1 x8 ML2 Slots)	-	-	-	-	-
00FK599	00FK656	A5FV	System x Enterprise Slides Kit	-	-	-	-	-
00KA488	00KA500	A5FW	System x Gen-II Universal Slides Kit	-	-	-	-	-
00MU149	-	A5V7	System x3650 M5 ODD Cable for 2.5" Model	-	-	-	-	-
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00MP054	00ML233	ASN6	USB Memory Key for VMware ESXi 5.1 Update 2	-	-	-	-	-
00MP055	00ML235	ASN7	USB Memory Key for VMware ESXi 5.5 Update 2	-	-	-	-	-
-	00AL956	-	System x3650 M5 ODD Cable Kit	-	-	-	-	-

Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 0 : Dedicated RAID slot	PCI-E x8	-	-	-	-	No	LP
PCI Slot 1 : (on PCI Riser 1)	PCI-E x16 or PCI-E x8 ; depending on Riser Card.	-	-	-	-	No	FH/FL
PCI Slot 2 : (on PCI Riser 1)	PCI-E x8 ; depending on Riser Card.	-	-	-	-	No	FH/FL
PCI Slot 3 : (on PCI Riser 1)	PCI-E x8 or ML2 ; depending on Riser Card.	-	-	-	-	No	FH/HL
PCI Slot 4 : (vertical slot)	PCI-E x8	-	-	-	-	No	LP
PCI Slot 5 : (vertical slot)	PCI-E x16	-	-	-	-	No	LP
PCI Slot 6 : (on PCI Riser 2)	PCI-E x16 or PCI-E x8 ; depending on Riser Card.	-	-	-	-	No	FH/FL
PCI Slot 7 : (on PCI Riser 2)	PCI-E x8 ; depending on Riser Card.	-	-	-	-	No	FH/FL
PCI Slot 8 : (on PCI Riser 2)	PCI-E x8 ; depending on Riser Card.	-	-	-	-	No	FH/HL

* Lenovo has withdrawn this product from marketing.

System x3650 M5 (5462)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
00FK931	00FK930	A5ET	System x 550W High Efficiency Platinum AC Power Supply
00FK933	00FK932	A5EU	System x 750W High Efficiency Platinum AC Power Supply
00FK935	00FK934	A5EV	System x 750W High Efficiency Titanium AC Power Supply (200-240V)
00FK937	00FK936	A5EW	System x 900W High Efficiency Platinum AC Power Supply
00MU905	00MU909	ASQE	System x 1500W High Efficiency Platinum AC Power Supply
00MU906	00MU910	ASQF	System x 900W High Efficiency -48 V DC Power Supply
00MU907	00MU911	ASQG	System x 1300W High Efficiency Titanium AC Power Supply (200-240V)
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)

-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
-	55941KX	-	RT1.5kVA 2U Rack or Tower UPS (200-240VAC)
-	55941AX	-	RT1.5kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	90Y3901	A1ML	Integrated Management Module Advanced Upgrade
00FK898	00FK622	A5FX	System x Enterprise 2U Cable Management Arm (CMA)
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Universal Management Gateway			
-	3858D3X*	-	Avocent Universal Management Gateway 6000 for IBM
Keyboard and Mouse			
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+to-QSFP+ cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00MU904	-	ASQD	System x3650 M5 PCIe Thermal Solution Kit
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
00VX168	-	AT2R	Lenovo 1m Active DAC SFP+ Cables
00VX169	-	AT2S	Lenovo 3m Active DAC SFP+ Cables
00VX170	-	AT2T	Lenovo 5m Active DAC SFP+ Cables
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
-	46W6712	-	Keyboard w/ Int. Pointing Device USB - US Eng 103P RoHS v2
-	00KA503	-	System x3650 M5 Advanced LCD Light Path Kit

Associated Options			
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00AK140	00AK142	A4X4	UM KVM Module VGA+SD Dual RJ45
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
Fiber Cables			
00KF043	-	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	-	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	-	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	-	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	-	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	-	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
46C7466	-	6400	2.8m, 13A/125-10A/250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3750 M4 (8753)

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- At a glance
- Options

Table 1. System x3750 M4 (8753) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord) ³	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
8753-A1Y	-	Intel Xeon Processor E5-4627 v2 8C 3.3GHz 16MB Cache 1866MHz 130W	2/4	16GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-
8753-A2Y	-	Intel Xeon Processor E5-4603 v2 4C 2.2GHz 10MB Cache 1333MHz 95W	1/4	8GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-
8753-A3Y	-	Intel Xeon Processor E5-4607 v2 6C 2.6GHz 15MB Cache 1333MHz 95W	2/4	16GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-
8753-B1Y	-	Intel Xeon Processor E5-4610 v2 8C 2.3GHz 16MB Cache 1600MHz 95W	2/4	16GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-
8753-B2Y	-	Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB Cache 1600MHz 95W	2/4	16GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-
8753-C1Y	-	Intel Xeon Processor E5-4640 v2 10C 2.2GHz 20MB Cache 1866MHz 95W	2/4	16GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-
8753-C2Y	-	Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB Cache 1866MHz 95W	2/4	16GB / 1536GB	Rack (2U)	1/2 LC	P, H, F	-

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Table 1. System x3750 M4 (8753) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/ avail)	Slots (total/ avail)
8753-A1Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8
8753-A2Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8
8753-A3Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8
8753-B1Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8
8753-B2Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8
8753-C1Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8
8753-C2Y	-	None (2 x 10Gb or 4 x 1GB optional card)	Integrated Gen3 SAS â€" LSI 3108	Hot-Swap	0GB / 25.6TB	-	32 / 32	8 / 8

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 8753-A1Y is 8753-A1U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
3. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.

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System x3750 M4 (8753)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00D1946	-	A43K	Intel Xeon Processor E5-4603 v2 4C 2.2GHz 10MB Cache 1333MHz 95W	A2Y
00D1951	-	A43L	Intel Xeon Processor E5-4607 v2 6C 2.6GHz 15MB Cache 1333MHz 95W	A3Y
00D1956	-	A43M	Intel Xeon Processor E5-4610 v2 8C 2.3GHz 16MB Cache 1600MHz 95W	B1Y
00D1961	-	A43N	Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB Cache 1600MHz 95W	B2Y
00D0572	-	A452	Intel Xeon Processor E5-4624L v2 10C 1.9GHz 25MB Cache 1866MHz 70W	-
00D1976	-	A43R	Intel Xeon Processor E5-4627 v2 8C 3.3GHz 16MB Cache 1866MHz 130W	A1Y
00D1966	-	A43P	Intel Xeon Processor E5-4640 v2 10C 2.2GHz 20MB Cache 1866MHz 95W	C1Y
00D1971	-	A43Q	Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB Cache 1866MHz 95W	C2Y
00D1986	-	A43T	Intel Xeon Processor E5-4657L v2 12C 2.4GHz 30MB Cache 1866MHz 115W	-
Additional processor				
00D1947	00D1948	A43U	Addl Intel Xeon Processor E5-4603v2 4C 2.2GHz 10MB Cache 1333MHz 95W	-
00D1952	00D1953	A43V	Addl Intel Xeon Processor E5-4607v2 6C 2.6GHz 15MB Cache 1333MHz 95W	A3Y
00D1957	00D1958	A43W	Addl Intel Xeon Processor E5-4610v2 8C 2.3GHz 16MB Cache 1600MHz 95W	B1Y
00D1962	00D1963	A43X	Addl Intel Xeon Processor E5-4620v2 8C 2.6GHz 20MB Cache 1600MHz 95W	B2Y
00D0573	00D0574	A453	Addl Intel Xeon Processor E5-4624L v2 10C 1.9GHz 25MB 1866MHz 70W	-
00D1977	00D1978	A440	Addl Intel Xeon Processor E5-4627 v2 8C 3.3GHz 16MB 1866MHz 130W	A1Y
00D1967	00D1968	A43Y	Addl Intel Xeon Processor E5-4640 v2 10C 2.2GHz 20MB 1866MHz 95W	C1Y
00D1972	00D1973	A43Z	Addl Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB 1866MHz 95W	C2Y
00D1987	00D1988	A442	Addl Intel Xeon Processor E5-4657L v2 12C 2.4GHz 30MB 1866MHz 115W	-

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System x3750 M4 (8753)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
00D5019	00D5020	A3QD	4GB (1x4GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5023	00D5024	A3QE	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5031	00D5032	A3QG	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5035	00D5036	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5047	00D5048	A3QL	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
46W0671	46W0672	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM
Memory Expansion			
88Y7364	88Y7365	A29Z	x3750 M4 2-CPU socket, 24 DIMM Memory Expansion

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A2Y	1 x 8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
A3Y, B1Y, B2Y, C1Y, C2Y	2 x 8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM

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System x3750 M4 (8753)

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• At a glance		• Options				
Processor Memory HDD I/O Pwr Acc Tape						
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0-15	16
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0-15	16
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0-15	16
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-15	16
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-15	16
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-15	16
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0-15	16
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-15	16
90Y8915	90Y8913	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-15	16
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-15	16
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-15	16
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0-15	16
00AD087	00AD085	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	0-15	16
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0-15	16
00AJ302	-	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0-15	16
00NA443	-	ASCD	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	SFF	0-15	16
SAS Hot-Swap 2.5" Solid State Drives						
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0-15	16
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0-15	16
49Y6197	49Y6195	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	0-15	16
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	-	-	-
SATA Hot-Swap 2.5" HDDs						
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-15	16
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-15	16
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-15	16
SATA Hot-Swap 2.5" Solid State Drives						
88Y7420	-	A2A2	8x 2.5" HS SAS/SATA/SSD HDD Backplane with controller expansion	-	-	-
88Y7438	-	A2A3	4x 2.5" HS SAS/SATA/SSD HDD Backplane	-	-	-
88Y7439	-	A2A4	8x 2.5" HS SAS/SATA/SSD HDD Backplane	-	-	-
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	0-15	16
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	0-15	16
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	0-15	16
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-15	16
00AJ007	00AJ005	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-15	16
00AJ012	00AJ010	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-15	16
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-15	16
00FN329	-	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	0-15	16
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-15	16
SATA 1.8" Solid State Drives						
41Y8368	41Y8366	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	0-31	32
41Y8373	41Y8371	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	0-31	32
-	00AJ045*	-	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	0-31	32

00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	0-31	32
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	0-31	32
00AJ457	-	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SL	0-31	32
Optical drives						
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	US	optical	1
Associated HDD Options						
60Y0359	-	9281	eXFlash 8x 1.8" HS SAS SSD Backplane	-	-	-
-	00D2024	-	eXFlash 8x 1.8" HS SAS SSD Backplane	-	-	-
-	00D2022	-	8x 2.5" HS SAS/SATA/SSD HDD Backplane	-	-	-
-	00D2020	-	4x 2.5" HS SAS/SATA/SSD HDD Backplane	-	-	-
-	00D2011	-	8x 2.5" HS SAS/SATA/SSD HDD Backplane with controller expansion	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3750 M4 (8753)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
81Y4480	81Y4478	A1WX	ServeRAID M5120 SAS/SATA Controller	Half	PCIe	1,2,3,4,5,6,7,8	N	4
81Y4547	81Y4546	A1X3	ServeRAID M5100 Series RAID 6 Upgrade	-	-	-	-	-
90Y4274	90Y4273	A2MC	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4319	90Y4318	A2MD	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7,8	N	8
95Y3761	95Y3760	A2U2	Emulex VFA III/IIIR FCoE/iSCSI License (FoD)	-	-	-	-	-
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCIe	1,3	N	2
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCIe	1,3,4,5,6,7,8	N	7
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCIe	1,3,4,5,6,7,8	N	7
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCIe	1,3,4,5,6,7,8	N	7
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
46C9012	46C9010	A3MV	N2125 SAS/SATA Hba	Half	PCIe	1,2,3,4,5,6,7,8	N	8
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCIe	1,2,3	N	3
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8672	47C8670	A4G6	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCIe	1,2,3	N	3
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCIe	1,2,3	N	1
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
00AE937	-	A5ND	ServeRAID M5225-2GB SAS/SATA Controller	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	4
00AE984	-	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	x8 PCIe	4,5,6,7,8	N	5
00AE987	-	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	x8 PCIe	4,5,6,7,8	N	5
00AE990	-	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	x8 PCIe	4,5,6,7,8	N	5

00AE996	-	ARYP	1000GB Enterprise io3 Flash Adapter	Half	x8 PCIe	4,5,6,7,8	N	5
00AE999	-	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	x8 PCIe	4,5,6,7,8	N	5
00JY002	-	ARYR	2600GB Enterprise io3 Flash Adapter	Half	x8 PCIe	4,5,6,7,8	N	5
46C9117	-	A3QA	ServeRAID M5210-e SAS/SATA Controller	-	-	-	-	-
-	39R6527*	-	Qlogic 4Gb FC Dual-Port PCIe HBA for System x	-	-	-	-	-
-	39R6525*	-	Qlogic 4Gb FC Single-Port PCIe HBA for System x	-	-	-	-	-
-	42C1820*	-	Brocade 10Gb CNA for IBM System x	-	-	-	-	-
-	42C1800*	-	QLogic 10Gb CNA for IBM System x	-	-	-	-	-
-	00AE916	-	N2226 SAS/SATA Hba	-	-	-	-	-
-	00AE912	-	N2225 SAS/SATA Hba	-	-	-	-	-
Networking								
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
49Y7963	49Y7960	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	x4 PCIe	1,2,3,4,5,6,7,8	N	8
49Y7973	49Y7970	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00Y5625	00Y5624	A3MT	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
90Y4601	90Y4600	A3MR	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
47C9953	47C9952	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	x4 PCIe	1,2,3,4,5,6,7,8	N	8
00D1993	00D1994	A40P	Intel X540 ML2 Dual Port 10GbaseT Adapter	N/A	x8 PCIe	10Gb Mezz.	N	1
00D1995	00D1996	A40Q	Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter	N/A	x8 PCIe	10Gb Mezz.	N	1
00D1997	00D1998	A40R	Intel I350-T4 ML2 Quad Port GbE Adapter	N/A	x8 PCIe	10Gb Mezz.	N	1
00D2025	00D2026	A40S	Broadcom NetXtreme II ML2 Dual Port 10GbaseT	N/A	x8 PCIe	10Gb Mezz.	N	1
00D2027	00D2028	A40T	Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+	N/A	x8 PCIe	10Gb Mezz.	N	1
00D8545	-	A4NZ	Emulex VFA5 ML2 FCoE/iSCSI License (FoD)	-	-	-	-	-
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00AG503	00AG500	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	x4 PCIe	1,2,3,4,5,6,7,8	N	8
00AG513	00AG510	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	x4 PCIe	1,2,3,4,5,6,7,8	N	8
00AG523	00AG520	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	x4 PCIe	1,2,3,4,5,6,7,8	N	8
00D9679	-	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
00FP653	00FP650	A5RK	Mellanox ConnectX-3 Pro ML2 2x40GbE/FDR VPI Adapter	N/A	x8 PCIe	10Gb Mezz.	N	1
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00JY825	00JY824	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
94Y5201	94Y5200	AS74	Intel X710 ML2 4x10GbE SFP+ Adapter	N/A	x8 PCIe	10Gb Mezz.	N	1
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
49Y4233	49Y4230	5767	Intel Ethernet Dual Port Server Adapter I340-T2	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
49Y4243	49Y4240	5768	Intel Ethernet Quad Port Server Adapter I340-T4	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
00D8537	-	A4M9	Emulex Dual Port 10GbE SFP+ VFA III-R	Half	x8 PCIe	1,2,3,4,5,6,7,8	N	8
90Y9374	-	A2VX	Broadcom NetXtreme I Quad Port GbE Adapter - 2U Bracket	-	-	-	-	-
90Y9377	-	A2VY	Broadcom NetXtreme I Dual Port GbE Adapter - 2U Bracket	-	-	-	-	-
-	00D8540	-	Emulex Dual Port 10GbE SFP+ VFA IIIR	-	-	-	-	-
Other I/O								
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
59Y1895	-	3726	1m Intel QDR InfiniBand Copper QSFP Cable	-	-	-	-	-
59Y1923	-	3732	10m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-

90Y3809	-	A2F9	1m Mellanox QSFP Passive Copper FDR10 InfiniBand Cable	-	-	-	-	-
90Y6458	81Y6821	A228	Gen-III Slides Kit	-	-	-	-	-
90Y6461	81Y6822	A229	Gen-III CMA	-	-	-	-	-
90Y6464	69Y1192	A22A	Gen-III Large Capacity CMA	-	-	-	-	-
90Y6465	69Y1193	A22B	Universal Slides Kit	-	-	-	-	-
88Y7370	88Y7371	A2A1	x3750 M4 PCIe 3 x8 riser	-	-	-	-	-
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00D2008	00D2009	A419	x3750 M4 PCIe 1x16 and 1x8 riser	-	-	-	-	-
00KF038	-	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	-	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	-	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	-	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	-	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	-	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
44T1367	-	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-

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System x3750 M4 (8753)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape

SBB number	Option number	Feature code	Description
Power			
40K8932	-	3791	0.6m Yellow Cat5e Cable
40K8936	-	3803	3m Blue Cat5e Cable
40K8941	-	3795	25m Yellow Cat5e Cable
88Y7430	88Y7431	A2A7	900W Power Supply
88Y7432	88Y7433	A2EA	4S-750W High Efficiency -48 V DC Power Supply
44X4149	44X4150	A54D	1400W HE Redundant Power Supply for altitudes >5000 meters
44X4151	44X4152	A54E	1400W HE Redundant Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
-	44X3193	-	DPI Three Phase 60A/208V Enterprise C13 PDU Plus
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	55949PX	-	RT11kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)
-	55949KX	-	RT11kVA 6U Rack or Tower UPS (200-240VAC)
-	55949BX	-	8kVA/11kVA 3U Rack or Tower Extended Battery Module
-	55948PX	-	RT8kVA 6U 3:1 Phase Rack or Tower UPS (380-415VAC)

-	55948KX	-	RT8kVA 6U Rack or Tower UPS (200-240VAC)
-	55946KX	-	RT6kVA 3U Rack or Tower UPS (200-240VAC)
-	55946BX	-	5kVA/6kVA 3U Rack or Tower Extended Battery Module
-	55945KX	-	RT5kVA 3U Rack or Tower UPS (200-240VAC)
-	55943KX	-	RT3kVA 2U Rack or Tower UPS (200-240VAC)
-	55943BX	-	3kVA 2U Rack or Tower Extended Battery Module
-	55943AX	-	RT3kVA 2U Rack or Tower UPS (100-125VAC)
-	55942KX	-	RT2.2kVA 2U Rack or Tower UPS (200-240VAC)
-	55942BX	-	1.5kVA/2.2kVA 2U Rack or Tower Extended Battery Module
-	55942AX	-	RT2.2kVA 2U Rack or Tower UPS (100-125VAC)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
39Y7960	39M2895	3756	USB Conversion Option Pack
69Y2343	69Y2346	6473	CMA for Ball Bearing and Universal Slides
69Y2344	69Y2347	6474	2U Cable Management Arm
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	46M5382	-	Serial Conversion Option (SCO)
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
59Y1919	-	3731	3m Intel QDR InfiniBand Optical QSFP Cable
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+to-QSFP+ cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
47C8819	-	A47F	Super Cap Cable 925mm for ServRAID M5200 Series Flash
81Y4576	-	A22C	ServeRAID M5100 Series 875mm Flash Power Module Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	94Y6138*	-	IBM Pref. Pro Keyboard USB - US English 103P RoHS
-	94Y6179*	-	IBM Keyboard w/ Int. Pointing Device USB - US English 103P RoHS

Associated Options			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
81Y6883	-	A1LE	Lightpath Upgrade kit
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
-	39R6531	-	3m SAS Cable
-	39R6529	-	1m SAS Cable
Fiber Cables			
00KF043	-	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	-	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	-	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	-	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	-	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	-	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
40K9806	-	3702	25m LC-LC Fiber Cable (networking)
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7979	39Y7932	6263	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
44X3180	47C2487	A3SS	1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable
44X3181	47C2488	A3ST	2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable
44X3182	47C2489	A3SU	2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable
44X3183	47C2490	A3SV	4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack Power Cable
44X3184	47C2491	A3SW	1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable
44X3185	47C2492	A3SX	2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable
44X3186	47C2493	A3SY	2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack Power Cable
44X3187	47C2494	A3SZ	4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack Power Cable
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord
Power Interposer			
88Y7366	88Y7367	A2A0	Power Interposer for Redundant Power Supply

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* Lenovo has withdrawn this product from marketing.

System x3750 M4 (8753)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape**

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
Associated tape options							
-	40K2599*	-	SAS Enclosure Adapter Kit	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X6 (6241)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. System x3850 X6 (6241) at-a-glance

Part number1	Withdrawal date4	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Rack cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
6241-A4Y	-	X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	1/4	16GB / 6144GB	Rack(4U)	1/4 RC	P,H,F	Y
6241-B1Y	-	X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W	2/4	32GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-B3Y	-	X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W	2/4	32GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-C1Y	-	X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W	2/4	32GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-C4Y	-	X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W	2/4	32GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-H2Y	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	2/4	130GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-H3Y	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	2/4	258GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-H4Y	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	2/4	514GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-H5Y	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	4/4	514GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-H6Y	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	4/4	1027GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-D4Y	-	X6 DDR3 Compute Book Intel Xeon Processor E7-4809 v3 8C 2.0GHz 115W	1/4	16GB / 6144GB	Rack(4U)	1/4 RC	P,H,F	Y
6241-D5Y	-	X6 DDR4 Compute Book Intel Xeon Processor E7-4809 v3 8C 2.0GHz 115W	1/4	16GB / 6144GB	Rack(4U)	1/4 RC	P,H,F	Y
6241-EAY4	-	X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-EBY4	-	X6 DDR3 Compute Book Intel Xeon Processor E7-4820 v3 10C 1.9GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-ECY4	-	X6 DDR4 Compute Book Intel Xeon Processor E7-4820 v3 10C 1.9GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-EDY4	-	X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-EEY4	-	X6 DDR3 Compute Book Intel Xeon Processor E7-4850 v3 14C 2.2GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-EFY4	-	X6 DDR4 Compute Book Intel Xeon Processor E7-4850 v3 14C 2.2GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-EGY4	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	256GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-EHY4	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	256GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-F1Y	-	X6 DDR3 Compute Book Intel Xeon Processor E7-4820 v3 10C 1.9GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-F2Y	-	X6 DDR4 Compute Book Intel Xeon Processor E7-4820 v3 10C 1.9GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-F3Y	-	X6 DDR3 Compute Book Intel Xeon Processor E7-4850 v3 14C 2.2GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-F4Y	-	X6 DDR4 Compute Book Intel Xeon Processor E7-4850 v3 14C 2.2GHz 115W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-G1Y	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8860 v3 16C 2.2GHz 140W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-G2Y	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8860 v3 16C 2.2GHz 140W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y

6241-G3Y	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8890 v3 18C 2.5GHz 165W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-G4Y	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8890 v3 18C 2.5GHz 165W	2/4	64GB / 6144GB	Rack(4U)	2/4 RC	P,H,F	Y
6241-HQY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/4	1024GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HRY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/4	512GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HSY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	512GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HTY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	256GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HUY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	128GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HVY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/4	1024GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HWY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/4	512GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HXY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	512GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HYY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	256GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y
6241-HZY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	2/4	128GB / 6144GB	Rack(4U)	4/4 RC	P,H,F	Y

Table 1. System x3850 X6 (6241) at-a-glance (continued)

Part number ¹	Withdrawal date ⁴	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/avail)	Slots (total/avail)
6241-A4Y	-	4 x 1Gb xLOM	-	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-B1Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-B3Y	-	2 x 10Gb SFP+ xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-C1Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-C4Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-H2Y	-	4 x 1Gb PCIe	M5210	Hotswap	8TB/30.72TB	-	16/8	9/6
6241-H3Y	-	4 x 1Gb PCIe	M5210	Hotswap	8TB/30.72TB	-	16/8	9/6
6241-H4Y	-	4 x 1Gb PCIe	M5210	Hotswap	8TB/30.72TB	-	16/8	9/6
6241-H5Y	-	4 x 1Gb PCIe	M5210	Hotswap	8TB/30.72TB	-	16/8	9/6
6241-H6Y	-	4 x 1Gb PCIe	M5210 & M5220	Hotswap	8TB/30.72TB	-	16/8	9/6
6241-D4Y	-	4 x 1Gb xLOM	-	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-D5Y	-	4 x 1Gb xLOM	-	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-EAY4	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-EBY4	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-ECY4	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-EDY4	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-EEY4	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-EFY4	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-EGY4	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-EHY4	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-F1Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-F2Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-F3Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9

6241-F4Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-G1Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-G2Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-G3Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-G4Y	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/30.72TB	-	16/16	9/9
6241-HQY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HRY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HSY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HTY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HUY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HVY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HWY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HXY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HYY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6
6241-HZY	-	4 x 1Gb xLOM	M5210	Hotswap	7.28TB/30.72TB	-	16/8	9/6

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Table 2. System x3950 X6 (6241) at-a-glance

Part number1	Withdrawal date4	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Rack cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
6241-BAY	-	X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W	4/8	64GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-CAY	-	X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W	4/8	64GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-CCY	-	X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W	4/8	2048GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-HBY	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	4/8	514GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-HCY	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	4/8	516GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-HDY	-	X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	8/8	516GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-DAY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8860 v3 16C 2.2GHz 140W	4/8	128GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-EIY4	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/8	514GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-EJY4	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/8	514GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-FAY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8870 v3 18C 2.1GHz 140W	4/8	128GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-FCY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8890 v3 18C 2.5GHz 165W	4/8	128GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-GAY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8860 v3 16C 2.2GHz 140W	4/8	128GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-HEY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/8	512GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-HFY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/8	1024GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-HGY	-	X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	8/8	2048GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-HHY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/8	512GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-HIY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	4/8	1024GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y

6241-HJY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz 150W	8/8	2048GB / 12288GB	Rack(8U)	8/8 RC	P,H,F	Y
6241-JAY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8870 v3 18C 2.1GHz 140W	4/8	128GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y
6241-JCY	-	X6 DDR4 Compute Book Intel Xeon Processor E7-8890 v3 18C 2.5GHz 165W	4/8	128GB / 12288GB	Rack(8U)	4/8 RC	P,H,F	Y

Table 2. System x3950 X6 (6241) at-a-glance (continued)

Part number ¹	Withdrawal date ⁴	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/avail)	Slots (total/avail)
6241-BAY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-CAY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-CCY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-HBY	-	2x (4 x 1Gb xLOM)	M5210	Hotswap	8TB/61.44TB	-	32/24	18/14
6241-HCY	-	2x (4 x 1Gb xLOM)	2 x M5210	Hotswap	16TB/61.44TB	-	32/24	18/14
6241-HDY	-	2x (4 x 1Gb xLOM)	2 x M5210	Hotswap	16TB/61.44TB	-	32/24	18/14
6241-DAY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-EIY ⁴	-	2x (4 x 1Gb xLOM)	M5210	Hotswap	7.28TB/61.44TB	-	32/24	18/14
6241-EJY ⁴	-	2x (4 x 1Gb xLOM)	M5210	Hotswap	7.28TB/61.44TB	-	32/24	18/14
6241-FAY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-FCY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-GAY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-HEY	-	2x (4 x 1Gb xLOM)	M5210	Hotswap	7.28TB/61.44TB	-	32/24	18/14
6241-HFY	-	2x (4 x 1Gb xLOM)	2 x M5210	Hotswap	14.56TB/61.44TB	-	32/16	18/14
6241-HGY	-	2x (4 x 1Gb xLOM)	2 x M5210	Hotswap	14.56TB/61.44TB	-	32/16	18/14
6241-HHY	-	2x (4 x 1Gb xLOM)	M5210	Hotswap	7.28TB/61.44TB	-	32/24	18/14
6241-HIY	-	2x (4 x 1Gb xLOM)	2 x M5210	Hotswap	14.56TB/61.44TB	-	32/16	18/14
6241-HJY	-	2x (4 x 1Gb xLOM)	2 x M5210	Hotswap	14.56TB/61.44TB	-	32/16	18/14
6241-JAY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18
6241-JCY	-	4 x 1Gb xLOM	M5210	Hotswap	0GB/61.44TB	-	32/32	18/18

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Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 6241-A4Y is 6241-A4U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. RC abbreviation indicates that the US models ship standard with a rack cord. Models without rack cords will be indicated with a hyphen.
3. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
4. TopSeller Model.

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System x3850/3950 X6 (6241)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	44X4036	-	Addl X6 ComputeBook Intel Xeon Processor E7-8880L v2 15C 2.2GHz 105W	-
-	44X4031	-	Addl X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W	-
-	44X4026	-	Addl X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHz 155W	-
-	44X4021	-	Addl X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W	CCY
-	44X4016	-	Addl X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	-
-	44X4011	-	Addl X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W	CAY
-	44X4006	-	Addl X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHz 155W	-
-	44X4001	-	Addl X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W	BAY
-	44X3996	-	Addl X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W	C4Y
-	44X3991	-	Addl X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHz 130W	-
-	44X3986	-	Addl X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHz 130W	-
-	44X3981	-	Addl X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W	C1Y
-	44X3976	-	Addl X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W	-
-	44X3971	-	Addl X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHz 105W	-
-	44X3966	-	Addl X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W	B1Y
-	44X3961	-	Addl X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	-
-	00ML994	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8893 v3 4C 3.2GHz	-
-	00ML990	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8891 v3 10C 2.8GHz	-
-	00ML986	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8880Lv3 18C 2.0GHz	-
-	00ML982	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8890 v3 18C 2.5GHz	G4Y, JCY
-	00ML978	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz	-
-	00ML974	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8870 v3 18C 2.1GHz	JAY
-	00ML970	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8860 v3 16C 2.2GHz	G2Y, GAY
-	00ML962	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-4850 v3 14C 2.2GHz	F4Y
-	00ML958	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-4830 v3 12C 2.1GHz	-
-	00ML954	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-4820 v3 10C 1.9GHz	F2Y
-	00ML950	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-4809 v3 8C 2.0GHz	-
-	00ML946	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8893 v3 4C 3.2GHz	-
-	00ML942	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8891 v3 10C 2.8GHz	-
-	00ML938	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8880Lv3 18C 2.0GHz	-
-	00ML934	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8890 v3 18C 2.5GHz	G3Y, FCY
-	00ML930	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8880 v3 18C 2.3GHz	-
-	00ML926	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8870 v3 18C 2.1GHz	FAY
-	00ML922	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8860 v3 16C 2.2GHz	G1Y, DAY
-	00ML914	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-4850 v3 14C 2.2GHz	F3Y
-	00ML910	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-4830 v3 12C 2.1GHz	-
-	00ML906	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-4820 v3 10C 1.9GHz	F1Y
-	00ML902	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-4809 v3 8C 2.0GHz	D7Y, D8Y, D9Y
-	00FP696	-	Addl X6 DDR4 Compute Book Intel Xeon Processor E7-8867 v3 16C 2.5GHz	-
-	00FP692	-	Addl X6 DDR3 Compute Book Intel Xeon Processor E7-8867 v3 16C 2.5GHz	-

System x3850/3950 X6 (6241)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	46W0672	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5036	-	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5024	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	46W0741*	-	64GB (1x64GB, 8Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM
-	46W0676	-	32GB (1x32GB, 4Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHz LP LRDIMM
Memory-channel storage			
-	00FE005	-	eXFlash 400GB DDR3 Storage DIMM
-	00FE000	-	eXFlash 200GB DDR3 Storage DIMM
TruDDR4 Memory			
-	95Y4812	-	64GB TruDDR4 Memory (4Rx4,1.2V) PC4-17000 CL15 2133MHz LP LRDIMM
-	46W0796	-	16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
-	46W0788	-	8GB TruDDR4 Memory (1Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
-	95Y4808	-	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM

Notes:

- Distribute DIMM's across CPU-Memory Cards according to DIMM fill sequence tables below. When a DIMM set is required, populate the DIMM set before moving to the next CPU-Memory Card.
- Complete a fill step before moving to the next CPU-Memory card. The sequence of the CPU-Memory cards is CPU1, CPU2, CPU5, CPU6, CPU3, CPU7, CPU4, CPU8.
- SM DIMMs should be installed by size first and then rank size. FSM DIMMs should be installed after placing SM DIMMs.
- FSM DIMMs cannot be installed in CPU-Memory cards 5, 6, 7, or 8.
- The amount of SM DIMMs and FSM items selected on the order cannot total more than 24 per CPU, e.g. if 6 CPUs are selected the total number of SM DIMMs and FSMs cannot exceed 144.
- If a FSM item is selected then LRDIMMs cannot be selected.
- Please visit URL below for eXFlashDIMM limitation and configuration information: <http://www.ibm.com/support/entry/portal/docdisplay?&adocid=SERV-FLASHDM>

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A4Y, B1Y, B3Y, BAY, C1Y, C4Y, CAY, CCY, D4Y, AAY	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
F1Y, F3Y, G1Y, G3Y, D7Y, D8Y, D9Y, DAY, FAY, FCY, ABY, ACY, ADY, AEY	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
D5Y	8GB (1Rx4, 1.2V) PC4-17000 CL15 ECC DDR4 2133MHz LP RDIMM
F2Y, F4Y, G2Y, G4Y, GAY, JAY, JCY	16GB (2Rx4, 1.2V) PC4-17000 CL15 ECC DDR4 2133MHz LP RDIMM
GAV	2 X 2GB PC3-10600 CL9 DDR3 SDRAM RDIMM

Table 2. DIMM plug rules for when Memory Mirroring is NOT selected AND Performance Memory Configuration is NOT selected

DIMMs Installed	Plug Location (DIMM slot)
1-2	9, 15
3-4	6, 24
5-6	1, 19
7-8	10, 16

9-10	8, 14
11-12	5, 23
13-14	2, 20
15-16	11, 17
17-18	7, 13
19-20	4, 22
21-22	3, 21
23-24	12, 18

Note:

1. SM DIMMs are to be placed in pairs. Each DIMM pair slot on each CPU-Memory card available should be populated before continuing down the chart to the next DIMM pair. The sequence of the CPU-Memory cards is CPU1, CPU2, CPU5, CPU6, CPU3, CPU7, CPU4, CPU8.
FSM DIMMs are not allowed in this config.

Table 3. DIMM plug rules for when Memory Mirroring is NOT selected AND Performance Memory Configuration is selected

DIMMs Installed	Plug Location (DIMM slot)
1	9
2	6
3	1
4	10
5	15
6	24
7	19
8	16
9	8
10	5
11	2
12	11
13	14
14	23
15	20
16	17
17	7
18	4
19	3
20	12
21	13
22	22
23	21
24	18

Note:

1. DIMMs are to be placed in the specified sockets. Each DIMM slot on each CPU-Memory card available should be populated before continuing down the chart to the next DIMM slot. The sequence of the CPU-Memory cards is CPU1, CPU2, CPU5, CPU6, CPU3, CPU7, CPU4, CPU8.
SM DIMMs should be placed first, by size and then FSM DIMMs should be placed.
FSM DIMMs cannot be placed in CPU 5, CPU 6, CPU 7 or CPU 8 DIMM slots.

Table 4. DIMM plug rules for when Memory Mirroring is selected AND Performance Memory Configuration is NOT selected

DIMMs Installed	Plug Location (DIMM slot)
1-4	1, 9, 15, 19
5-8	6, 10, 16, 24
9-12	2, 8, 14, 20
13-16	5, 11, 17, 23
17-20	3, 7, 13, 21
21-24	4, 12, 18, 22

Note:

1. SM DIMMs are to be placed in sets of four(4) in the specified sockets. Each set of four(4) DIMM slots on each CPU-Memory card available should be populated before continuing down the chart to the next set of DIMM slots. The sequence of the CPU-Memory cards is CPU1, CPU2, CPU5, CPU6, CPU3, CPU7, CPU4, CPU8.
FSM DIMMs are not allowed in this config.

Table 5. DIMM plug rules for when Memory Mirroring is selected AND Performance Memory Configuration is selected, 1 to 8 CPUs

DIMMs Installed	Plug Location (DIMM slot)
1-2	9, 19
3-4	6, 16
5-6	1, 15
7-8	10, 24
9-10	8, 20
11-12	5, 17
13-14	2, 14
15-16	11, 23
17-18	7, 21
19-20	4, 18
21-22	3, 13
23-24	12, 22

Note:
1. SM DIMMs are to be placed in pairs. Each DIMM pair slot on each CPU-Memory card available should be populated before continuing down the chart to the next DIMM pair. The sequence of the CPU-Memory cards is CPU1, CPU2, CPU5, CPU6, CPU3, CPU7, CPU4, CPU8.
FSM DIMMs are not allowed in this config.

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X6 (6241)

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	00AJ151*	-	1.2TB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ146	-	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ121	-	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ116*	-	146GB 15K 6Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ111	-	146GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ106	-	300GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ101*	-	600GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ096	-	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ091	-	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ086	-	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ081	-	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ076*	-	900GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ071	-	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ126	-	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00NA271	-	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
SAS Hot-Swap 2.5" Solid State Drives						
-	00AJ222*	-	1.6TB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ217	-	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ212	-	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ207	-	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN424*	-	800GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)

-	00FN419*	-	400GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN409	-	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN399	-	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN389	-	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN379	-	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
SATA Hot-Swap 2.5" HDDs						
-	00AJ141	-	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ136	-	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ131*	-	250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
SATA Hot-Swap 2.5" Solid State Drives						
-	00AJ166	-	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ161	-	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ156	-	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ410	-	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ405	-	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ400	-	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00AJ395	-	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00FN347	-	960GB SATA 2.5" MLC G3HS Entry SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN342	-	480GB SATA 2.5" MLC G3HS Entry SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00FN337	-	240GB SATA 2.5" MLC G3HS Entry SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00FN278	-	S3500 1.6TB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
SATA 1.8" Solid State Drives						
-	41Y8371	-	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	41Y8366	-	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00AJ455	-	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16(8U)
-	00AJ350	-	800GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00AJ345	-	480GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00AJ340	-	240GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
-	00AJ335	-	120GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15(4U) / 0-31(8U)	16(4U) / 32(8U)
PCIe Solid State Drives for System x						
-	90Y3236	-	P3600 2.0TB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	0-3(4U) / 0-3, 8-11(8U)	4(4U) / 8(8U)
-	90Y3233	-	P3600 1.6TB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	0-3(4U) / 0-3, 8-11(8U)	4(4U) / 8(8U)
-	90Y3230	-	P3600 800GB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	0-3(4U) / 0-3, 8-11(8U)	4(4U) / 8(8U)

-	90Y3227	-	P3600 400GB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	0-3(4U) / 0-3, 8-11(8U)	4(4U) / 8 (8U)
Enterprise Capacity MLC Solid State Drives						
00NA673	00NA671	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16 (8U)
SAS Hot-Swap 2.5" SED						
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16 (8U)
00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16 (8U)
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16 (8U)
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	SFF	0-7(4U) / 0-15(8U)	8(4U) / 16 (8U)
Associated HDD Options						
-	44X4106	-	1.8" SSD drive bay	-	-	-
-	44X4104	-	4x 2.5" HDD Riser	-	-	-
-	44X4108	-	System x 4 x 2.5" NVMe PCIe SSD Backplane	-	-	-

- Notes:
- 1. Install HD backplanes in the following sequence: 1-SBB 44X4107 (FC A4A8) 4 x 2.5" NVMe PCIe SSD Backplane, 2-SBB 44X4103 (FC A4A6) 4x 2.5" HDD Riser, 3-SBB 44X4105 (FC A4A7) 1.8" SSD drive bay.
 - 2. If SBB 00KH363 (FC ASMJ) AND three (3) or more SBB 44X4103 (FC A4A6) are on order, then PCIe slot 11 cannot be used and should be skipped in any population installation ordering.

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
-				
0	2.5" or 1.8"	SFF or SL	YES	HDD/SDD
1	2.5" or 1.8"	SFF	YES	HDD/SDD
2	2.5" or 1.8"	SFF	YES	HDD/SDD
3	2.5" or 1.8"	SFF	YES	HDD/SDD
4	2.5" or 1.8"	SFF	YES	HDD/SDD
5	2.5" or 1.8"	SFF	YES	HDD/SDD
6	2.5" or 1.8"	SFF	YES	HDD/SDD
7	2.5" or 1.8"	SFF	YES	HDD/SDD
8	1.8"	SL	YES	SDD
9	1.8"	SL	YES	SDD
10	1.8"	SL	YES	SDD
11	1.8"	SL	YES	SDD
12	1.8"	SL	YES	SDD
13	1.8"	SL	YES	SDD
14	1.8"	SL	YES	SDD
15	1.8"	SL	YES	SDD

* Lenovo has withdrawn this product from marketing.

System x3850/3950 X6 (6241)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	49Y4218	-	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	90Y4318	-	ServeRAID M5100 Series SSD Caching Enabler	-	-	-	-	-
-	81Y4559	-	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	90Y4273	-	ServeRAID M5100 Series SSD Performance Key	-	-	-	-	-
-	81Y4478	-	ServeRAID M5120 SAS/SATA Controller	Half	PCIe	7, 8, 9 and 39, 40, 41	N	3(4U) / 6 (8U)
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	8 lanes with PCI-Express	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	8 lanes with PCI-Express	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	Half	8 lanes with PCI-Express	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)

-	81Y1655	-	Emulex 16Gb FC Single-port HBA	Half	8 lanes with PCI-Express	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	95Y3760	-	Emulex VFA III/IIIr FCoE/iSCSI License (FoD)	-	-	-	-	-
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	8 lanes with PCI-Express 4 lanes with PCI-e gen 2	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	4 lanes with PCI-e gen 2	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	46C9010	-	N2125 SAS/SATA Hba	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	47C8712	-	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
-	47C8710	-	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
-	47C8708	-	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
-	47C8706	-	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
-	47C8675	-	N2215 SAS/SATA Hba	Half	PCIe	11, 12 ,43, 44	N	2(4U) / 4 (8U)
-	47C8670	-	ServeRAID M5100 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8664	-	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8660	-	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8656	-	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
-	46C9110	-	ServeRAID M5210 SAS/SATA Controller	Half	PCIe	11, 12 ,43, 44	N	2(4U) / 4 (8U)
-	47C8668	-	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	00AE916	-	N2226 SAS/SATA Hba	Half	x16 PCIe	1, 4, 7, 8, 9 and 33, 36, 39, 40, 41	N	5(4U) / 10 (8U)
-	00AE912	-	N2225 SAS/SATA Hba	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	00JY001	-	2600GB Enterprise io3 Flash Adapter	Half	x8 PCIe	1, 3, 4, 6, 7, 9 and 33, 35, 36, 38, 39, 41	N	6(4U) / 12 (8U)
-	00AE998	-	1300GB Enterprise io3 Flash Adapter	Half	x8 PCIe	1, 3, 4, 6, 7, 9 and 33, 35, 36, 38, 39, 41	N	6(4U) / 12 (8U)

-	00AE995	-	1000GB Enterprise io3 Flash Adapter	Half	x8 PCIe	1, 3, 4, 6, 7, 9 and 33, 35, 36, 38, 39, 41	N	6(4U) / 12 (8U)
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	9(4U) / 18 (8U)
-	00AE989	-	3200GB Enterprise Value io3 Flash Adapter	Half	x8 PCIe	1, 3, 4, 6, 7, 9 and 33, 35, 36, 38, 39, 41	N	6(4U) / 12 (8U)
-	00AE986	-	1600GB Enterprise Value io3 Flash Adapter	Half	x4 PCIe	1, 3, 4, 6, 7, 9 and 33, 35, 36, 38, 39, 41	N	6(4U) / 12 (8U)
-	00AE983	-	1250GB Enterprise Value io3 Flash Adapter	Half	x4 PCIe	1, 3, 4, 6, 7, 9 and 33, 35, 36, 38, 39, 41	N	6(4U) / 12 (8U)
-	00AE938	-	ServeRAID M5225-2GB SAS/SATA Controller	Half	x8 PCIe	7, 8, 9 and 39, 40, 41	N	3(4U) / 6 (8U)
-	00ML997	-	System x NVMe PCIe SSD Extender Adapter	Half	PCIe	11, 12 ,43, 44	N	2(4U) / 4 (8U)
Networking								
-	49Y4216	-	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
90Y3841	-	A2FH	Mellanox QSA Adapter (QSFP to SFP+)	-	-	-	-	-
95Y3458	-	A2F8	Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	49Y7970	-	Intel X540-T2 Dual Port 10GbBaseT Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	90Y4600	-	Qlogic 8200 Dual Port 10GbE SFP+ VFA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00Y5624	-	Qlogic 8200 VFA FCoE/iSCSI License (FoD)	-	-	-	-	-
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18

46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	47C9952	-	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00D8544	-	Emulex VFA5 ML2 FCoE/iSCSI License (FoD)	-	-	-	-	-
-	00D2028	-	Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+	Half	x8 PCIe	10, 42	N	2
-	00D2026	-	Broadcom NetXtreme II ML2 Dual Port 10GbaseT	Half	x8 PCIe	10, 42	N	2
-	00D1998	-	Intel I350-T4 ML2 Quad Port GbE Adapter	Half	x8 PCIe	10, 42	N	2
-	00D1996	-	Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter	Half	x8 PCIe	10, 42	N	2
-	00D1994	-	Intel X540 ML2 Dual Port 10GbaseT Adapter	Half	x8 PCIe	10, 42	N	2
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00AG520	-	Intel I350-T4 4xGbE BaseT Adapter	Half	x4 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00AG510	-	Intel I350-T2 2xGbE BaseT Adapter	Half	x4 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00AG500	-	Intel I350-F1 1xGbE Fiber Adapter	Half	x4 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00JY830	-	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00JY824	-	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
-	00JY820	-	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	00FP650	-	Mellanox ConnectX-3 Pro ML2 2x40GbE/FDR VPI Adapter	Half	x8 PCIe	10, 42	N	2
-	94Y5200	-	Intel X710 ML2 4x10GbE SFP+ Adapter	Half	x8 PCIe	10, 42	N	2
-	81Y3520	-	Intel X710 2x10GbE SFP+ Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18

-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	x8 PCIe	1, 2, 3, 4, 5, 6, 7, 8, 9 and 33, 34, 35, 36, 37, 38, 39, 40, 41	N	18
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	-	-	-	-	-
-	00D8540	-	Emulex Dual Port 10GbE SFP+ VFA IIIr	-	-	-	-	-
Video Adapters								
-	00FP676	-	NVIDIA Tesla K40c	Full	x16 PCIe	1, 4 and 33, 36	N	4
-	00FP670	-	Intel Xeon Phi 3120A	Full	x16 PCIe	1, 4 and 33, 36	N	4
-	00FP674	-	NVIDIA Grid K2 (Actively Cooled)	Full	x16 PCIe	1, 4 and 33, 36	N	4
-	00FP673*	-	NVIDIA Tesla K20 (Actively Cooled)	Full	x16 PCIe	1, 4 and 33, 36	N	4
-	00FP675	-	NVIDIA Quadro K4000	Full	x16 PCIe	1, 4 and 33, 36	N	4
-	00FP672	-	NVIDIA Quadro K6000	Full	x16 PCIe	1, 4 and 33, 36	N	4
Other I/O								
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
59Y1895	-	3726	1m Intel QDR InfiniBand Copper QSFP Cable	-	-	-	-	-
59Y1923	-	3732	10m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
59Y1927	-	3733	30m Intel QDR InfiniBand Optical QSFP Cable	-	-	-	-	-
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
90Y3809	-	A2F9	1m Mellanox QSFP Passive Copper FDR10 InfiniBand Cable	-	-	-	-	-
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-
-	41Y8382	-	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
-	44X4051	-	X6 Full-length I/O Book	-	-	-	-	-
-	44X4049	-	X6 Half-length I/O Book	-	-	-	-	-
-	00ML200	-	32GB Enterprise Value USB Memory Key	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00MP054	-	ASN6	USB Memory Key for VMware ESXi 5.1 Update 2	-	-	-	-	-
00MP055	-	ASN7	USB Memory Key for VMware ESXi 5.5 Update 2	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-

Note:

1. If SBB 00KH363 (FC ASMJ) AND three (3) or more SBB 44X4103 (FC A4A6) are on order, then PCIe slot 11 cannot be used and should be skipped in any population installation ordering.

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X6 (6241)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
-	88Y7433	-	4S-750W High Efficiency -48 V DC Power Supply
-	44X4152	-	1400W HE Redundant Power Supply
-	44X4150	-	1400W HE Redundant Power Supply for altitudes >5000 meters
-	44X4132	-	900W Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	44X3193	-	DPI Three Phase 60A/208V Enterprise C13 PDU Plus
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
Rack and rack Options			
-	39M2895	-	USB Conversion Option Pack
-	14104RX	-	42U S2 standard rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Universal Management Gateway			
-	3858D3X*	-	Avocent Universal Management Gateway 6000 for IBM
Keyboard and Mouse			
59Y1919	-	3731	3m Intel QDR InfiniBand Optical QSFP Cable
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+-to-QSFP+ cable

90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	00AM600	-	Pref. Pro Keyboard USB - US English 103P RoHS v2
Associated Options			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
-	43V6147	-	Single Cable USB Conversion Option (UCO)
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
-	00AK142	-	UM KVM Module VGA+SD Dual RJ45
-	39R6531	-	3m SAS Cable
-	39R6529	-	1m SAS Cable
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X5 (7143)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. System x3850/3950 X5 (7143) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed(GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	Form factor	Power supply quantity (std/max) (Line cord)2	Hot-swap (power, slots, HDD, fans, memory)	System Mgmt Processor
7143-B1Y	28 February 2015	Intel Xeon Processor E7-4807 6C (1.86GHz 18MB L3 95w 4S)	2/4	8GB / 2048GB	Rack(4U)	1/2 LC	P,H,F	Y
7143-B2Y	28 February 2015	Intel Xeon Processor E7-4820 8C (2.00GHz 18MB L3 105w 4S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-B3Y	28 February 2015	Intel Xeon Processor E7-4830 8C (2.13GHz 24MB L3 105w 4S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-B5Y	28 February 2015	Intel Xeon Processor E7-4850 10C (2.00GHz 24MB L3 130w 4S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-B6Y	28 February 2015	Intel Xeon Processor E7-4860 10C (2.26GHz 24MB L3 130w 4S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-B7Y	28 February 2015	Intel Xeon Processor E7-4870 10C (2.40GHz 30MB L3 130w 4S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-C1Y	28 February 2015	Intel Xeon Processor E7-8850 10C (2.00GHz 24MB L3 130w 8S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-C2Y	28 February 2015	Intel Xeon Processor E7-8860 10C (2.26GHz 24MB L3 130w 8S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-D1Y	31 March 2013	Intel Xeon Processor E7-4850 10C (2.00GHz 24MB L3 130w 4S)	4/4	128GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-D2Y	31 March 2013	Intel Xeon Processor E7-4860 10C (2.26GHz 24MB L3 130w 4S)	4/4	128GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-H1Y	-	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	2/4	256GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-H2Y	-	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	512GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-H3Y	-	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	512GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-H4Y	16 January 2013	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	2/4	256GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-H5Y	16 January 2013	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	512GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-F1Y	28 February 2015	Intel Xeon Processor E7-4850 10C (2.00GHz 24MB L3 130w 4S)	4/4	384GB / 3072GB	Rack(4U + 1U)	2/2 2/2 LC	P,H,F	Y
7143-C3Y	28 February 2015	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	2/4	16GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-F2Y	28 February 2015	Intel Xeon Processor E7-4850 10C (2.00GHz 24MB L3 130w 4S)	4/4	384GB / 3072GB	Rack(4U + 1U)	2/2 2/2 LC	P,H,F	Y
7143-HAY	28 February 2015	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	2/4	256GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-HBY	28 February 2015	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	512GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-HCY	28 February 2015	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	512GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-D3Y	28 February 2015	Intel Xeon Processor E7-4860 10C (2.26GHz 24MB L3 130w 4S)	4/4	128GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-D4Y	28 February 2015	Intel Xeon Processor E7-4860 10C (2.26GHz 24MB L3 130w 4S)	4/4	128GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-HDY	28 February 2015	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	1024GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y
7143-HEY	28 February 2015	Intel Xeon Processor E7-8870 10C (2.40GHz 30MB L3 130w 8S)	4/4	1024GB / 2048GB	Rack(4U)	2/2 LC	P,H,F	Y

Table 1. System x3850/3950 X5 (7143) at-a-glance (continued)

Part number ¹	Withdrawal dates	Integrated ethernet	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	Optical drive	Bays (total/avail)	Slots (total/avail)
7143-B1Y	28 February 2015	2 x 1Gb	-	Hotswap	0GB/8TB	-	8/8	7/7
7143-B2Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-B3Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-B5Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-B6Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-B7Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-C1Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-C2Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-D1Y	31 March 2013	2 x 1Gb 2 x 10Gb	Ripley 6Gb (2x) + High IOPS (2x)	Hotswap	0GB/8TB	-	16/0	7/2
7143-D2Y	31 March 2013	2 x 1Gb 2 x 10Gb	Ripley 6Gb (2x)	Hotswap	0GB/8TB	-	16/0	7/4
7143-H1Y	-	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 320GB	Hotswap	4800GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/4
7143-H2Y	-	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 640GB Duo	Hotswap	4800GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/4
7143-H3Y	-	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 640GB Duo	Hotswap	4800GB/8TB	-	8/0	7/4
7143-H4Y	16 January 2013	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 320GB	Hotswap	4800GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/4
7143-H5Y	16 January 2013	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 640GB Duo	Hotswap	4800GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/4
7143-F1Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-C3Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-F2Y	28 February 2015	2 x 1Gb 2 x 10Gb	M1015	Hotswap	0GB/8TB	-	8/8	7/6
7143-HAY	28 February 2015	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 1.2TB	Hotswap	7200GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/3
7143-HBY	28 February 2015	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 1.2TB	Hotswap	7200GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/3
7143-HCY	28 February 2015	6 x 1Gbe 2 x 10Gb	M5015 + Fusion-io 1.2TB	Hotswap	7200GB/8TB	-	8/0	7/3
7143-D3Y	28 February 2015	2 x 1Gb 2 x 10Gb	Ripley 6Gb (2x)	Hotswap	3200GB/3200GB	-	16/0	7/4
7143-D4Y	28 February 2015	2 x 1Gb 2 x 10Gb	M5015 (4x)	Hotswap	3200GB/3200GB	-	16/0	7/2
7143-HDY	28 February 2015	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 1.2TB	Hotswap	7200GB/8TB	IBM UltraSlim Enhanced SATA Multi-Burner	8/0	7/3
7143-HEY	28 February 2015	6 x 1Gbe 2 x 10Gbe	M5015 + Fusion-io 1.2TB	Hotswap	7200GB/8TB	-	8/0	7/3

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7143-B1Y is 7143-B1U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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System x3850/3950 X5 (7143)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape Scalability kits

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	88Y5357*	-	Addl Intel Xeon Processor E7-8850 10C 2.00GHz 24MB Cache 130w	C1Y
-	88Y5358*	-	Addl Intel Xeon Processor E7-4850 10C 2.00GHz 24MB Cache 130w	B5Y, D1Y
-	69Y1892*	-	Addl Intel Xeon Processor E7-4860 10C 2.26GHz 24MB Cache 130w	B6Y, D2Y, F1Y
-	69Y1891*	-	Addl Intel Xeon Processor E7-4830 8C 2.13GHz 24MB Cache 105w	B3Y
-	69Y1890*	-	Addl Intel Xeon Processor E7-4820 8C 2.00GHz 18MB Cache 105w	B2Y
-	69Y1889*	-	Addl Intel Xeon Processor E7-4807 6C 1.86GHz 18MB Cache 95w	B1Y
-	69Y1899*	-	Addl Intel Xeon Processor E7-8870 10C 2.40GHz 30MB Cache 130w	-
-	69Y1898*	-	Addl Intel Xeon Processor E7-8860 10C 2.26GHz 24MB Cache 130w	C2Y
-	69Y1897*	-	Addl Intel Xeon Processor E7-8867L 10C 2.13GHz 30MB Cache 105w	-
-	69Y1896*	-	Addl Intel Xeon Processor E7-8830 8C 2.13GHz 24MB Cache 105w	-
-	69Y1894*	-	Addl Intel Xeon Processor E7-8837 8C 2.67GHz 24MB Cache 130w	-
-	69Y1893*	-	Addl Intel Xeon Processor E7-4870 10C 2.40GHz 30MB Cache 130w	B7Y
Associated Processor Options				
-	49Y4379*	-	x3850 X5 and x3950 X5 QPI Wrap Card	-

Notes:

1. Installing 2 CPUs in the left (CPUs 1/3) or the right (CPUs 2/4) will result in lower performance. Follow the recommended order.
2. For a 2+2 application, plug CPUs in order starting with positions 1 and 2 in each node.
3. IBM model definitions have a minimum of 2 CPU and 2 Memory Cards.
4. For pre-configured models (i.e. GAVs/SEOs), two (2) processors are standard per system, with four processors maximum.
5. Maximum of 4 processors per system.
6. All processors must be identical in type, speed, and cache size.

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X5 (7143)

Attention:

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- At a glance
- Options

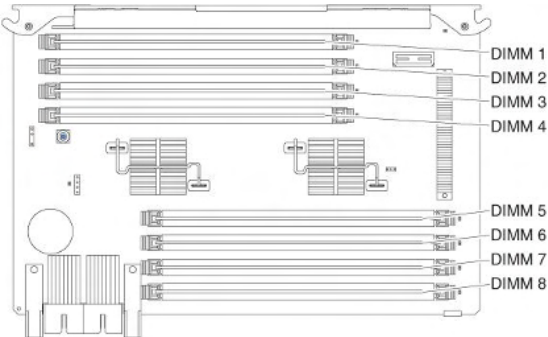
Processor **Memory** HDD I/O Pwr Acc Tape Scalability kits

SBB number	Option number	Feature code	Memory description
Memory Cards			
-	69Y1888*	-	x3850 X5 and x3950 X5 Memory Expansion Card
Memory DIMMs			
-	44T1599*	-	4GB (1x4GB, Dual Rankx8) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	46C7482*	-	8GB (1x8GB, Quad Rankx8) PC3-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	46C7483*	-	16GB (1x16GB, 4Rx4, 1.5V) PC3-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	49Y1407	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1400*	-	16GB (1x16GB, 4Rx4, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	44T1592*	-	2GB (1x2GB, 1Rx8, 1.5V) PC3-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3101*	-	32GB (1x32GB, 4Rx4, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	49Y1399*	-	8GB (1x8GB, 4Rx8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	46W0672	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	46C7448*	-	4GB (1x4GB, Quad Rankx8) PC3-8500 CL7 ECC DDR3-1066MHz LP RDIMM

- Notes:**
- DIMMs are DDR3-SDRAM registered, required in pairs. Memory Cards support 8 DIMMs each.
 - For pre-configured models (i.e. GAVs/SEOs) , a minimum of 1 Memory card and 2 DIMMs are REQUIRED for EACH installed CPU.
 - Maximum: Eight memory cards, each card containing four pairs of DIMMs, 64 DIMMs per node.
 - DIMM's must be installed in pairs. Pairs must be matching IBM PN's.
 - For memory mirroring, Card1 mirrors Card2, Card3 mirrors Card4, Card5 mirrors Card6, Card7 mirrors Card8.
 - Mirrored configurations require pairs of memory cards. Min sets of 4, i.e., 2 memory cards with at least 2 DIMMs populated per card, per CPU.
 - The Cost sensitive rules are for 1 Memory card per CPU.
 - The Performance Sensitive Configuration should always be used when there are 2 Memory cards per CPU - unless mirrored.
 - When using the Performance sensitive rules, you must skip the table entries when the associated CPU is not installed.

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Figure 1. System x3850 X5 Memory card layout



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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
B1Y	2 x 4GB (2Gb, 2Rx8) PC3L-10600R-999 LP ECC RDIMM (1.35V Capable)
B2Y, B3Y, B5Y, B6Y, B7Y, C1Y, C2Y	4 x 4GB (2Gb, 2Rx8) PC3L-10600R-999 LP ECC RDIMM (1.35V Capable)
D1Y, D2Y	32 x 4GB (2Gb, 2Rx8) PC3L-10600R-999 LP ECC RDIMM (1.35V Capable)
F1Y	96 x 4GB (2Gb, 2Rx8) PC3L-10600R-999 LP ECC RDIMM (1.35V Capable)

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X5 (7143)

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- At a glance
- Options

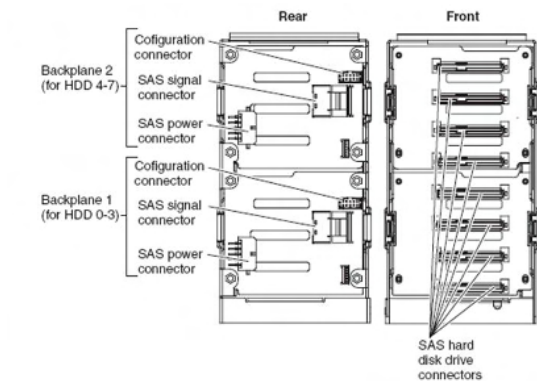
Processor Memory **HDD** I/O Pwr Acc Tape Scalability kits

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	42D0677*	-	146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	42D0672*	-	73GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	42D0637*	-	300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	42D0707*	-	500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	49Y2003*	-	600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	42D0632*	-	146GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	81Y9690	-	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	0-7	8
-	44W2294*	-	146GB 15K 6Gbps SAS 2.5" SFF Slim-HS SED	SFF	0-7	8
-	44W2264*	-	300GB 10K 6Gbps SAS 2.5" SFF Slim-HS SED	SFF	0-7	8
-	81Y9670	-	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	0-7	8
-	81Y9650	-	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	0-7	8
-	90Y8953	-	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	0-7	8
-	90Y8926	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-7	8
-	90Y8877	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-7	8
-	90Y8872	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	0-7	8
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-7	8
-	90Y8913	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-7	8
-	90Y8908	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-7	8
-	81Y9662	-	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	0-7	8
-	00AD075	-	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	0-7	8
-	00AD085	-	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	0-7	8
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0-7	8
-	00AJ300	-	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	0-7	8
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0-7	8
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	0-7	8
SAS Hot-Swap 2.5" Solid State Drives						
-	49Y6139	-	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	0-7	8
-	49Y6134	-	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	0-7	8
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	0-7	8
-	49Y6195	-	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	0-7	8
SATA Hot-Swap 2.5" HDDs						
-	42D0752*	-	500GB 7200 NL SATA 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	42D0747*	-	160GB 7200 NL SATA 2.5" SFF Slim-HS HDD	SFF	0-7	8
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-7	8
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-7	8
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	0-7	8
SATA Hot-Swap 2.5" Solid State Drives						
-	43W7718*	-	200GB SATA 2.5" MLC HS Ssd	SFF	0-7	8
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-8	8
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-11	8
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-10	8

-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	0-7	8
-	41Y8341	-	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SL	0-7	8
-	41Y8336	-	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SL	0-7	8
-	41Y8331	-	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SL	0-7	8
-	00AJ015	-	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SL	0-7	8
-	00AJ010	-	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SL	0-7	8
-	00AJ005	-	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SL	0-7	8
-	00AJ000	-	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SL	0-7	8
-	00AJ370	-	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	00AJ365	-	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	00AJ360	-	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
-	00AJ355	-	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	0-7	8
SATA 1.8" Solid State Drives						
-	43W7746*	-	200GB SATA 1.8" MLC SSd	SL	0-15	16
-	43W7726*	-	50GB SATA 1.8" MLC SSd	SL	0-15	16
-	43W7734*	-	50GB SATA 1.8" NHS SSd	SL	0-15	16
-	49Y5993*	-	512GB SATA 1.8" MLC Enterprise Value SSD	SFF	0-12	16
-	49Y5834*	-	64GB SATA 1.8" MLC Enterprise Value SSD	SFF	0-9	16
-	49Y6124*	-	400GB SATA 1.8" MLC Enterprise SSD	SL	0-15	16
-	49Y6119*	-	200GB SATA 1.8" MLC Enterprise SSD	SL	0-15	16
-	00W1120*	-	100GB SATA 1.8" MLC Enterprise SSD	SL	0-15	16
-	00W1227*	-	256GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00W1222*	-	128GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	41Y8371	-	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	0-15	16
-	41Y8366	-	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	0-15	16
-	00AJ050	-	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ045*	-	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ040	-	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ455	-	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ350	-	800GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ345	-	480GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ340	-	240GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
-	00AJ335	-	120GB SATA 1.8" MLC Enterprise Value SSD	SL	0-15	16
Associated HDD Options						
-	59Y6213*	-	eXFlash 8x 1.8" HS SAS SSD Backplane	-	-	-
-	59Y6135*	-	Hot Swap SAS Hard Disk Drive Backplane	-	-	-
-	40K1692*	-	IBM External USB Floppy Drive	-	-	-
External storage expansion units						
-	172701X*	-	IBM System Storage EXP3000	-	-	-
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

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Figure 1. System x3850 X5 SAS backplane connectors



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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
0	2.5" or 1.8"	SFF or SL	Y	HDD
1	2.5" or 1.8"	SFF	Y	HDD
10	1.8"	SL	Y	HDD
11	1.8"	SL	Y	HDD
12	1.8"	SL	Y	HDD
13	1.8"	SL	Y	HDD
14	1.8"	SL	Y	HDD
15	1.8"	SL	Y	HDD
16	12.7mm optical	US	Y	Optical
2	2.5" or 1.8"	SFF	Y	HDD
3	2.5" or 1.8"	SFF	Y	HDD
4	2.5" or 1.8"	SFF	Y	HDD
5	2.5" or 1.8"	SFF	Y	HDD
6	2.5" or 1.8"	SFF	Y	HDD
7	2.5" or 1.8"	SFF	Y	HDD
8	1.8"	SL	Y	HDD
9	1.8"	SL	Y	HDD

* Lenovo has withdrawn this product from marketing.

System x3850/3950 X5 (7143)

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Processor Memory HDD I/O Pwr Acc Tape Scalability kits

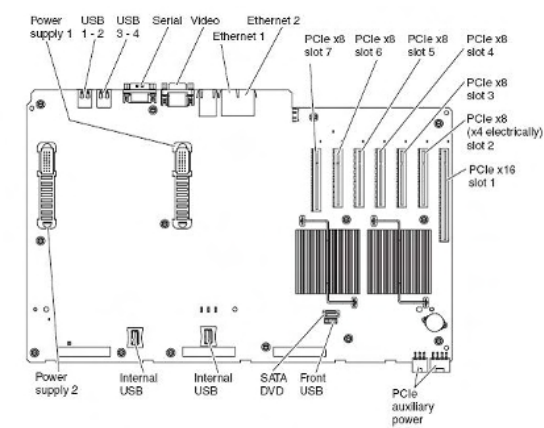
SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	42D0510	-	QLogic 8Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	42D0501	-	QLogic 8Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	42D0494	-	Emulex 8Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	42D0485	-	Emulex 8Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	42C2071*	-	Emulex 4Gb FC Dual-Port PCI-E HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	42C2069*	-	Emulex 4Gb FC Single-Port PCI-E HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	39R6527*	-	QLogic 4Gb FC Dual-Port PCIe HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	39R6525*	-	QLogic 4Gb FC Single-Port PCIe HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	49Y4218	-	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	46M0898*	-	320GB High IOPS MS Class SSD PCIe Adapter	Half	x4 PCIe	1,2,3,4,5,6,7	N	7
-	46M0877*	-	160GB High IOPS SS Class SSD PCIe Adapter	Half	x4 PCIe	1,2,3,4,5,6,7	N	7
-	46M0916*	-	ServerRAID M5014 SAS/SATA Controller (Battery not included)	Half	PCIe	Dedicated, 1, 3, 4, 5	N	4
-	46M0917	-	ServerRAID M5000 Series Battery Assembly	-	-	-	-	-
-	46M0829*	-	ServerRAID M5015 SAS/SATA Controller (Battery not included)	Half	x8 PCIe	Dedicated, 1, 3, 4, 5	N	4
-	59Y1993*	-	Brocade 4Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	59Y1987*	-	Brocade 4Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46M0930*	-	ServerRAID M5000 Series Advance Feature Key	-	-	-	-	-
-	46M0832*	-	ServerRAID M1000 Series Advance Feature Key	-	-	-	-	-
-	46M0831*	-	ServerRAID M1015 SAS/SATA Controller	Half	x8 PCIe	Dedicated connector	N	1
-	46M0878*	-	320GB High IOPS SD Class SSD PCIe Adapter	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46M0907	-	6Gb SAS HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46M0969*	-	ServerRAID B5015 SSD Controller	Half	x8 PCIe	1,3,4,5	N	4
-	46M0830*	-	ServerRAID M5025 SAS/SATA Controller	Half	x8 PCIe	1,3,4,2	N	2
-	81Y4519*	-	640GB High IOPS MLC Duo Adapter	Half	x8 PCIe	1,2,3,4,5	N	5
-	81Y4539*	-	640GB High IOPS Slc Duo Adapter	Half	8 lanes with PCI-Express 4 lanes with PCI-e gen 2	1,2,3,4,5	N	5
-	81Y4535*	-	320GB High IOPS Slc Adapter	Half	PCIe	1,2,3,4,5,6,7	N	7
-	81Y4531*	-	640GB High IOPS MLC Adapter	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46M0912*	-	6Gb Performance Optimized HBA	Half	x8 PCIe	1,3,4,2	N	4
-	81Y4426*	-	ServerRAID M5000 Series Performance Accelerator Key	-	-	-	-	-
-	81Y4527*	-	1.28TB High IOPS MLC Duo Adapter	Half	8 lanes with PCI-Express 4 lanes with PCI-e gen 2	1,2,3,4,5	N	5
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	8 lanes with PCI-Express	5,6,7	N	3

-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	81Y1662	-	Emulex 16Gb FC Dual-port HBA	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	81Y1655	-	Emulex 16Gb FC Single-port HBA	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	90Y4304*	-	ServerRAID M5016 SAS/SATA Controller	Half	x8 PCIe	Dedicated, 3, 1, 5, 4	N	2
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	8 lanes with PCI-Express 4 lanes with PCI-e gen 2	3,4	N	2
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	4 lanes with PCI-e gen 2	1,2,3,4,5,6,7	N	7
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCIe	1,2,3,4,5,6,7	N	7
-	90Y4373*	-	300GB High IOPS SLC Modular Adapter	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	90Y4369*	-	800GB High IOPS MLC Modular Adapter	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	90Y4365*	-	600GB High IOPS MLC Modular Adapter	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	90Y4361*	-	300GB High IOPS MLC Modular Adapter	Half	8 lanes with PCI-Express	1,2,3,4,5,6,7	N	7
-	00Y3341	-	QLogic 16Gb FC Dual-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	00Y3337	-	QLogic 16Gb FC Single-port HBA	Half	PCIe	1,2,3,4,5,6,7	N	7
-	46C9010	-	N2125 SAS/SATA Hba	Half	x8 PCIe	1,2,3,4,5,6,7	N	7
-	46C8988	-	N2115 SAS/SATA Hba	Half	x8 PCIe	1,3,4,2	N	4
Networking								
-	39Y6066*	-	Broadcom NetXtreme 1xGbE BaseT Adapter	Half	x1 PCIe	1,5,3,6,4,7,2	Y	7
-	42C1780	-	Broadcom NetXtreme 2xGbE BaseT Adapter	Half	x4 PCIe	1,5,3,6,4,7,2	N	7
-	49Y4216	-	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
-	42C1820*	-	Brocade 10Gb CNA	Half	PCIe	1,5,3,6,4,7,2	N	7
-	42C1800*	-	QLogic 10Gb CNA	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	49Y4240	-	Intel Ethernet Quad Port Server Adapter I340-T4	Half	x4 PCIe	1,5,3,6,4,7,2	N	7
-	49Y4230	-	Intel Ethernet Dual Port Server Adapter I340-T2	Half	x4 PCIe	1,5,3,6,4,7,2	N	7
-	42C1750*	-	PRO/1000 PF Server Adapter	Half	x4 PCIe	1,5,3,6,4,7,2	N	7
-	49Y4250*	-	Emulex 10GbE Virtual Fabric Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	81Y9990*	-	Mellanox ConnectX-2 Dual Port 10GbE Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	49Y7950*	-	Emulex 10GbE Virtual Fabric Adapter II	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	95Y3750*	-	Mellanox ConnectX-2 Dual-port QSFP QDR IB Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	49Y7910*	-	Broadcom NetXtreme II Dual Port 10GBaseT Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	49Y7960	-	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	90Y9370	-	Broadcom NetXtreme I Dual Port GbE Adapter	Half	X1 PCIe	1,5,3,6,4,7,2	N	7
-	90Y9352	-	Broadcom NetXtreme I Quad Port GbE Adapter	Half	X4 PCIe	1,5,3,6,4,7,2	N	7
-	95Y3751*	-	Emulex Dual Port VFAll Adapter & FCoE/iSCSI License	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	49Y7970	-	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	00D9690	-	Mellanox ConnectX-3 10 GbE Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	00D9550	-	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	47C9952	-	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	x8 PCIe	1,3,4,2	N	4
-	47C9960*	-	Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter	Half	x8 PCIe	1,3,4,2	N	4
-	94Y5180	-	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	44T1370	-	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
-	81Y3520	-	Intel X710 2x10GbE SFP+ Adapter	Half	x8 PCIe	1,5,3,6,4,7,2	N	7
Other I/O								
-	41Y8296*	-	USB Memory Key for VMware ESXi 4.1 Update 1	-	-	-	-	-
-	49Y4274*	-	Emulex VFA II FCoE/iSCSI License	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
-	41Y8307*	-	USB Memory Key for VMware ESXi 5.0 Update1	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-

-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
-	00ML200	-	32GB Enterprise Value USB Memory Key	-	-	-	-	-
-	39R6475*	-	4-Gbps SW SFP Transceiver	-	-	-	-	-
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-

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Figure 1. System x3850 X5 I/O-board connectors



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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
PCI Slot 1	x16 PCIe 2.0	0x15	3.3V	5Gb/s	x16	N	Full
PCI Slot 2	x4 PCIe 2.0 (x8 connector)	0x1A	3.3V	5Gb/s	x4	N	Full
PCI Slot 3	x8 PCIe 2.0	0x1F	3.3V	5Gb/s	x8	N	Full
PCI Slot 4	x8 PCIe 2.0	0x24	3.3V	5Gb/s	x8	N	Full
PCI Slot 5	x8 PCIe 2.0	0x04	3.3V	5Gb/s	x8	N	Half
PCI Slot 6	x8 PCIe 2.0	0x09	3.3V	5Gb/s	x8	N	Half
PCI Slot 7	x8 PCIe 2.0	0x0E	3.3V	5Gb/s	x8	N	Half
Dedicated RAID Slot	x8 PCIe 2.0	0x13	3.3V	5Gb/s	x8	N	N/A
Broadcom 5709 Dual Gbit Ethernet Controller	on board	0x02	3.3V	5Gb/s	x4	N	N/A
ATI RN50 Video Ctrlr w/16MB memory	on board	0x01	3.3V	2.5Gb/s	x1	N	N/A

- Notes:
1. Slots 1-7 are PCIe Gen 2, 5Gb/s.
 2. For Slots 5-7 Adapters must be x4/x8 half length, standard height. Slots 1-4 can be full length. Slot 1 can be x16.
 3. Slots 1-4 are on second PCIe bridge. Slots 5-7 + SAS controller are on first PCIe bridge.

* Lenovo has withdrawn this product from marketing.

System x3850/3950 X5 (7143)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape Scalability kits

SBB number	Option number	Feature code	Description
Power			
-	59Y6139*	-	1975W Power Supply
Power Distribution Units			
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4128	-	0U 24 C13 30A PDU
-	46M4125	-	0U 24 C13 30A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4116	-	0U 24 C13 Switched and Monitored 30A PDU
-	43V6109	-	IBM 0U 24 C13 Switched and Monitored 30A 3 Phase PDU
Uninterruptible Power Supply (UPS)			
-	21304RX*	-	IBM UPS 10000Xhv
-	21302RX*	-	IBM UPS3000 HV
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	LCD UPS Network Management Card
-	53956KX*	-	IBM 6000VA LCD 4U Rack UPS (230V)
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhv
-	53952xx	-	IBM 2200VA LCD 2U Rack UPS (100V/120V)
Racks			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack

-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack/Tower Conversion Kits			
-	43V6147	-	Single Cable USB Conversion Option (UCO)
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
Console Connectivity			
-	31R3132*	-	3m Console Switch Cable (USB)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Keyboard and Mouse			
-	40K9584*	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9200	-	Optical Wheel Mouse - USB RoHS
-	40K5372*	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
Associated Options			
-	39M2895	-	USB Conversion Option Pack
-	39M2894*	-	Virtual Media Conversion Option
-	39R6531	-	3m SAS Cable
-	39R6529	-	1m SAS Cable
-	2018	-	IBM 11U Office Enablement Kit
Fiber Cables			
-	39M5698*	-	25M Fiber Optic Cable LC-LC
-	39M5697*	-	5M Fiber Optic Cable LC-LC
Rack Power Cables			
-	39Y7932	-	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y7938	-	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
-	39Y7937	-	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
-	39Y7931	-	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
-	39Y8905	-	DPI 100-127v PDU with Fixed Nema L5-15P line cord

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* Lenovo has withdrawn this product from marketing.

System x3850/3950 X5 (7143)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc **Tape** Scalability kits

SBB number	Option number	Feature code	Tape options	Bays supported	Storage interface	Form factor	Ext tape enclosures
Tape drives							
-	43W8478*	-	IBM Half High LTO Gen 3 SAS Tape Drive	-	-	-	-
-	39M5636*	-	IBM DDS Generation 6 USB Tape Drive	-	-	-	-
-	44E8895*	-	IBM Half High LTO Gen 4 SAS Tape Drive	-	-	-	-
-	362550X*	-	IBM RDX 500 GB External USB Drive	-	-	-	-
-	362532X*	-	IBM RDX 320 GB External USB Drive	-	-	-	-
-	362516X*	-	IBM RDX 160 GB External USB Drive	-	-	-	-
-	49Y9898	-	Half High LTO Gen 5 Internal SAS Tape Drive	-	-	-	-
-	3628L5X*	-	IBM Half High LTO Gen 5 External SAS Tape Drive	-	-	-	-
-	3628L4X*	-	IBM Half High LTO Gen 4 External SAS Tape Drive	-	-	-	-
-	3628L3X*	-	IBM Half High LTO Gen 3 External SAS Tape Drive	-	-	-	-
-	362550Y	-	RDX External USB 3.0 Dock with 500GB Cartridge	-	-	-	-
-	362532Y	-	RDX External USB 3.0 Dock with 320GB Cartridge	-	-	-	-
-	36251TY	-	RDX External USB 3.0 Dock with 1TB Cartridge	-	-	-	-
-	00D8924	-	Half High LTO Ultrium Gen 6 Internal SAS Tape Drive	-	-	-	-
-	3580-S53	-	IBM System Storage TS2350 Tape Drive Model S53	-	-	-	-
-	3580-H5S	-	IBM System Storage TS2250 Tape Drive Model H5S	-	-	-	-
-	3580-H4x	-	IBM System Storage TS2240 Tape Drive Model	-	-	-	-
-	3580-H3x	-	IBM System Storage TS2230 Tape Drive Express Model	-	-	-	-
Tape autoloaders							
-	3572-Sxx	-	IBM System Storage TS2900 Tape Autoloader	-	-	-	-
Tape enclosures							
-	8767HHX*	-	Half High Tape Drive Enclosure	-	-	-	-
-	87651UX*	-	1U Tape Drive Enclosure	-	-	-	-
External tape libraries							
-	3584-xxx	-	IBM System Storage TS3500 Tape Library (all models)	-	-	-	-
-	3576-xxx	-	IBM System Storage TS3310 Modular Tape Library (all models)	-	-	-	-
-	3573-xxx	-	IBM System Storage TS3100/TS3200 Tape Library (all models)	-	-	-	-
Associated tape options							
-	2812-A14	-	IBM XIV Storage System (Machine Type 2812) Model A14	-	-	-	-
-	2145 v6.1.x	-	IBM SAN Volume Controller version 6.1.x	-	-	-	-
-	2076-xxx	-	IBM Storwize V7000	-	-	-	-

System x3850/3950 X5 (7143)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc Tape Scalability kits

SBB number	Option number	Feature code	Description
Scalability Kits			
-	46M0072*	-	x3850 X5 QPI Scalability Kit
-	59Y6267*	-	MAX5 to x3850 X5 Cable Kit
-	88Y6529*	-	MAX5 V2 for System x
-	59Y6271*	-	eX5 MAX5 2-Node EXA Scalability Kit
-	59Y6265*	-	MAX5 for System x

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Figure 1. 7143 to 7143 (8-socket QPI direct connected)

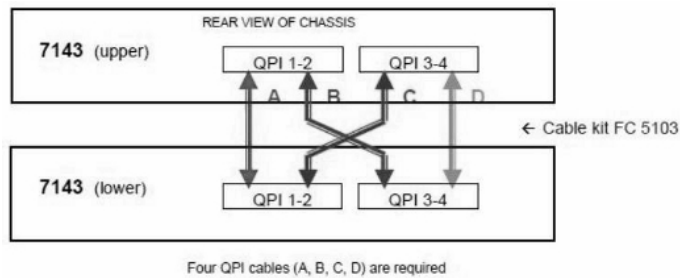
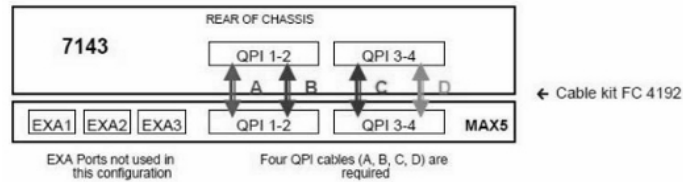


Figure 2. 7143 to eX5 Scalability and Memory Expansion Module (MAX5)



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- For 7143-7143 QPI scaled configuration:
- 2-Node Configuration Requirements
1. Eight memory cards (FC A14D) in each module.
 2. Four CPU's in each module.
 3. Matching CPU types both nodes.
 4. Only E7-8xxx series CPUs are supported
 5. Memory installed in matching sets of four per CPU.
 6. MS Windows installations limited to 2TB.

* Lenovo has withdrawn this product from marketing.



BladeCenter S (8886)

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- At a glance
- Options

Table 1. BladeCenter S (8886) at-a-glance

Part number	Withdrawal dates	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord) ¹	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
8886-1MY	30 September 2009	Rack (7U) 19in x 28in	950 - 1450 (110 - 220VAC)	2/4	P,B,B	S - Blower O - Power
8886-E1Y5	30 September 2009	Rack (7U) 19in x 28in	950 - 1450 (110 - 220VAC)	4/4	P,B,B	S - Blower O - Power
8886-1TY	-	Rack (7U) 19in x 28in	C14 950W/1450W (110 - 220VAC)	2/4	P,B,B	S - Blower O - Power
8886-ETY5	31 December 2014	Rack (7U) 19in x 28in	C14 950W/1450W (110 - 220VAC)	4/4	P,B,B	S - Blower O - Power
8886-EVY7	31 December 2014	Rack (7U) 19in x 28in	C14 950W/1450W (110 - 220VAC)	4/4	P,B,B	S - Blower O - Power

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Table 1. BladeCenter S (8886) at-a-glance (continued)

Part number	Withdrawal dates	Management Module (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Blade Bays (Total/Avail)
8886-1MY	30 September 2009	1/1	4/4	UltraSlim Enhanced CD-RW / DVD-ROM Combo	N/A	6/6
8886-E1Y5	30 September 2009	1/1	4/4	UltraSlim Enhanced CD-RW / DVD-ROM Combo	N/A	6/6
8886-1TY	-	1/1	4/4	N/A	N/A	6/6
8886-ETY5	31 December 2014	1/1	4/3	UltraSlim Enhanced SATA Multi-Burner	N/A	6/6
8886-EVY7	31 December 2014	1/1	4/2	UltraSlim Enhanced SATA Multi-Burner	N/A	6/6

Notes:

1. LC abbreviation indicates that the US models ship standard with a line cord. Models without line cords will be indicated with a hyphen.
2. The Management Module incorporates a chassis-level management processor and a Keyboard/Video/Mouse (KVM) switch. No external KVM switching is required.
3. BladeCenter S supports a maximum of four I/O modules can be installed in the rear of the system. A combination of up to four Gb Ethernet modules, or two Gb Ethernet modules and up to two Fiber Channel modules, or two Gb Ethernet modules and up to two SAS modules can be installed.
4. Supports up to 6 singlewide blade servers. Additional power supplies are required to maintain full redundancy beyond 2 blade Servers.
5. BladeCenter S Express offering includes (1) 6-Disk Storage Module, (1) SAS Connectivity Module, and redundant power supplies 3 & 4 as standard offerings.
6. The write function does not work on BladeCenter S.
7. BladeCenter S Express offering includes (2) 6-Disk Storage Module, (2) SAS RAID Controller Module, and redundant power supplies 3 & 4 as standard offerings.
8. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Table 2. BladeCenter S (8886), Blade Server support

Blade Server	Models Supported
HS12 (8028)	All Models
HS22 (7870)	All Models
7871	All Models
7872	All Models
7873	All Models
7875	All Models

8038	All Models
HS12 (8014)	All Models
HS21 (8853)	All Models
HS21 XM (7995)	All Models
HS23 (7875)	All Models
HS23E (8038)	All Models
HC10 (7996)	All Models
LS21 (7971)	All Models
LS22 (7901)	All Models
LS41 (7972)	All Models
LS42 (7902)	All Models
QS21 (0792)	All Models
QS22 (0793)	All Models

Note:

1. It may be necessary to upgrade to the latest firmware to support the HS22 on Blade Chassis S.

Figure 1. BladeCenter S (8886) front view

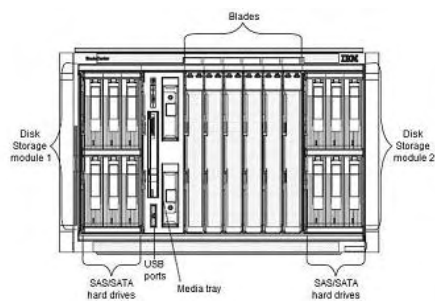
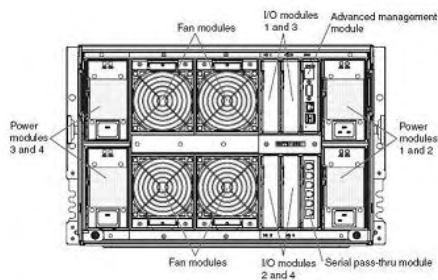


Figure 2. BladeCenter S (8886) rear view



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BladeCenter S (8886)

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Connection type from	Connection type to	# of Drops	Connects from	Connects to
32R1938	32R1937	4362	IBM CX4 1.5 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
39Y9173	39Y9171	4364	IBM BladeCenter Optical Pass-thru Module SC Cable (1.5)	Multiport Optical	SC Duplex Optical Connections	4	OPM switch	SAN
39Y9175	39Y9172*	4365	IBM BladeCenter Optical Pass-thru Module LC Cable (1.5)	Multiport Optical	LC Duplex Optical Connections	4	OPM switch	SAN
39Y9331	39Y9170	4366	IBM BladeCenter Copper Pass-thru Module Cable	Multiport Copper	CAT 5E Copper Connections	5	CPM switch	Network
32R1942	-	4363	IBM CX4 3.0 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
-	39Y7931	-	Power Cable - C13 / NEMA 5-15P 14ft	-	-	-	-	-
-	39Y8966	-	IBM USB to PS/2 Converter Cable	-	-	-	-	-
-	32R1941	-	CX4 - 3.0 meter Cable for IBM BladeCenter	-	-	-	-	-

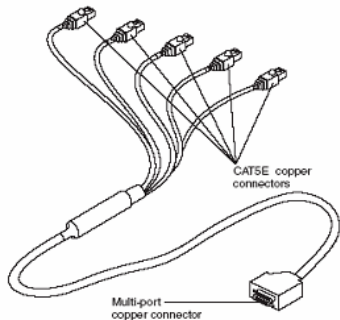
Notes:

- Provides five copper connections between the copper pass-thru module (CPM) and an external gigabit Ethernet environment. A maximum of 14 connections per CPM is supported. One CPM cable ships with the CPM option. Two additional cables can be installed.
- Utilizing pass-thru technology will disable serial over LAN concurrent KVM capabilities.

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Figure 1. BladeCenter Copper Pass-thru Module Cable

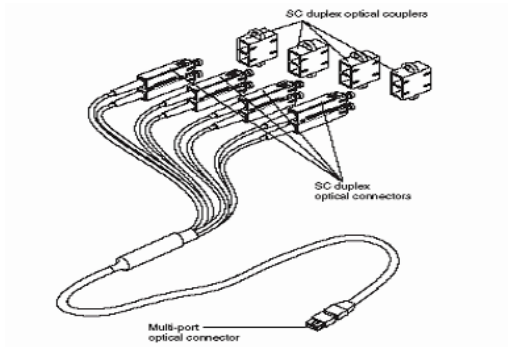
Copper pass-thru module cable



Note:

- This BladeCenter option provides connection between the copper pass-thru module and an external environment. This cable allows up to five copper connections to blade servers. One 3.1 m (9.4 ft) cable is included with each copper pass-thru module.

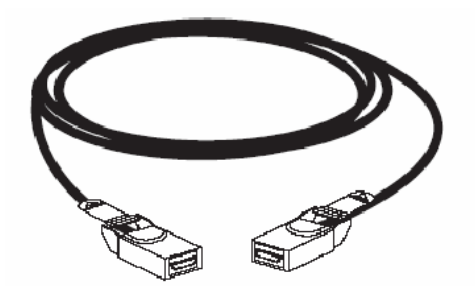
Figure 2. BladeCenter Optical Pass-thru Module SC Cable (1.5 m)



Note:

1. The 1.5 m cable above provides four SC connections between the Optical Pass-thru Module and an external environment.

Figure 3. CX4 1.5 or 3.0 meter Cable for BladeCenter (connector color is Gray)



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* Lenovo has withdrawn this product from marketing.

BladeCenter S (8886)

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- At a glance
- Options

Cabling **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
81Y9652	-	A282	IBM 900GB 10K 6Gbps SAS 2.5" SFF HS HDD	-	-	-
81Y9672	-	A283	IBM 300GB 15K 6Gbps SAS 2.5" G2HS HDD	-	-	-
90Y8874	-	A2XD	IBM 600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	-	-	-
90Y8879	-	A2XC	IBM 300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	-	-	-
-	42D0707	-	IBM 500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	-	-	-
SAS Hot-Swap 3.5" HDDs						
-	43X0802	-	300GB 15K 3.5" Hot-Swap SAS HDD	-	1 - 12	12
-	43W7524	-	146GB 15K 3.5" SAS Hot-Swap HDD	-	1 - 12	12
-	43W7523	-	73GB 15K 3.5" SAS Hot-Swap HDD	-	1 - 12	12
42D0521	42D0519	5586	IBM 450GB 15K SAS 3.5" HS HDD	-	1 - 12	12
-	42D0547	-	IBM 1TB 7200 NI SAS 3.5" HS HDD	-	1 - 12	12
44W2236	44W2234	5311	IBM 300GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	-	1 - 12	12
44W2241	44W2239*	5312	IBM 450GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	-	1 - 12	12
44W2246	44W2244	5313	IBM 600GB 15K 6Gbps SAS 3.5" Hot-Swap HDD	-	1 - 12	12
42D0769	42D0767	5417	IBM 2TB 7.2K 6Gbps NL SAS 3.5" HDD	-	1 - 12	12
42D0779	42D0777	5418	IBM 1TB 7.2K 6Gbps NL SAS 3.5" HDD	-	1 - 12	12
-	42D0546	-	IBM 750GB 7200 NI SAS 3.5" HS HDD1	-	1-12	12
SATA Hot-Swap 3.5" HDDs						
-	43W7630	-	IBM 1TB 7200 Dual Port SATA 3.5 HS HDD2	-	1 - 12	12
Optical drives						
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	-	-	-
44W3251	-	4161	IBM UltraSlim Enhanced SATA DVD-ROM Combo	-	-	-
-	46M0902	-	IBM UltraSlim Enhanced SATA Multi-Burner	-	-	-
-	46M0901	-	IBM UltraSlim Enhanced SATA DVD-ROM	-	-	-
Associated HDD Options						
49Y3235	49Y3234	A3KS	IBM BladeCenter S 12-Disk Storage Module	-	-	-
-	43W3581	-	IBM BladeCenter S 6-Disk Storage Module3,4,5	-	-	-
-	40K1692	-	IBM External USB Floppy Drive	-	-	-

Notes:

- Only supported with the BladeCenter S SAS RAID Controller Module (SBB 43W3604).
- Only supported with BladeCenter SAS Connectivity Module (Option 39Y9195)
- BladeCenter S chassis supports a maximum of two P/N 43W3581. Each 6-Disk Storage Module supports up to six 3.5in drives.
- One SAS Connectivity Module for IBM BladeCenter (P/N 39Y9195) is required in Switch Module 3 in order to use the IBM BladeCenter S 6-Disk Storage Module. Support exists for two if redundancy is needed.
- Four power supplies are required for the BladeCenter S chassis (8886) to support two Storage Modules. If adding a second Storage Module (43W3581) to the BladeCenter S chassis, you may need to add two additional power supplies; depending on your current configuration.

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* Lenovo has withdrawn this product from marketing.

BladeCenter S (8886)

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Form Factor	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options							
0005862	-	5862	Rack location U34	-	-	-	-
C005864	-	5864	Rack location U36	-	-	-	-
17P8568	-	7589	IBM BladeCenter RAID Battery Backup Module	-	-	-	-
46C9273	46C9272	A3FE	Cisco Catalyst Switch Module 3012 for IBM BladeCenter	-	-	-	-
-	44E5692	-	Cisco 4Gb FC 10 Port Switch for IBM BladeCenter	-	-	-	-
Networking ^{1,2}							
-	39Y9195	-	IBM BladeCenter SAS Connectivity Modules	-	3,4	Y	2
-	43W6723	-	QLogic 4Gb Intelligent Pass-thru Module for IBM ⁷	-	3,4	Y	2
-	43W6724	-	Qlogic 10-port 4Gb SAN Switch Module for IBM	StFF	3,4	Y	2
-	39Y9284	-	Cisco Systems 4Gb 10-port Fibre Channel Module	-	3,4	Y	2
-	32R1813	-	Brocade 4Gb 10-port SAN Switch Module for IBM eServer BladeCenter	-	3,4	Y	2
40Y1126	32R1860	3212	IBM Layer 2/3 Copper Gb Ethernet Switch Module for IBM BladeCenter	-	1,2,3,4	Y	4
40Y1128	32R1861	3213	IBM Layer 2/3 Fiber Gb Ethernet Switch Module for IBM BladeCenter	-	1,2,3,4	Y	4
40Y1138	39Y9316*	3218	IBM BladeCenter Optical Pass-thru Module	-	1,2,3,4	Y	4
40Y1142	39Y9324	3220	Server Connectivity Module for IBM BladeCenter	-	1,2,3,4	Y	4
43W4398	43W4395	5450	Cisco Catalyst Switch Module 3012 for IBM BladeCenter	StFF	1,2,3,4	Y	4
-	32R1859	-	IBM BladeCenter Layer 2-7 Gigabit Ethernet Switch Module	StFF	1,2,3,4	Y	4
44W4484	44W4483	5452	Intelligent Copper Pass-thru Module for IBM BladeCenter	-	1,2,3,4	Y	4
44W4405	44W4404	1590	IBM 1/10Gb Uplink Ethernet Switch Module for IBM BladeCenter	-	1,2,3,4	Y	4
43W3604	43W3584	5453	IBM BladeCenter S SAS RAID Controller Module ^{3,4,5}	-	3,4	Y	2
44X1910	44X1907	5482	QLogic 8Gb Intelligent Pass-thru Module for IBM BladeCenter ⁷	-	3,4	Y	2
44X1908	-	5478	Qlogic 20-port 8Gb SAN Switch Module for IBM BladeCenter	-	3,4	Y	2
44X1968	-	5075	IBM 8Gb SFP + SW Optical Transceiver	-	-	-	-
-	88Y6410	-	QLogic 4/8 Gb Intelligent Pass-thru Module for IBM BladeCenter	-	3,4	Y	2
-	88Y6406	-	QLogic 20-port 4/8 Gb SAN Switch Module for IBM BladeCenter	-	3,4	Y	2
-	44X1905	-	QLogic 20-port 8Gb SAN Switch Module for IBM BladeCenter	-	-	-	-
-	43W6724	-	QLogic 10-port 4Gb SAN Switch Module for IBM BladeCenter	-	3,4	Y	2
-	43W6723	-	QLogic 4Gb Intelligent Pass-thru Module for IBM BladeCenter	-	3,4	Y	2
-	39Y9324	-	Server Connectivity Module for IBM BladeCenter	-	1,3,4	Y	3
-	39Y9320	-	IBM BladeCenter Copper Pass-thru Module	-	1,3,4	Y	3
-	39Y9316*	-	IBM BladeCenter Optical Pass-thru Module	-	1,3,4	Y	3
-	39Y9284	-	CS 4Gb 10 port Fibre Channel Switch Module for IBM BladeCenter	-	3,4	Y	2
-	39Y9195	-	IBM BladeCenter SAS Connectivity Module	-	3,4	Y	2
-	32R1861	-	IBM BladeCenter Layer 2/3 Fiber Gb Ethernet Switch Module	-	1,3,4	Y	3
-	32R1860	-	IBM BladeCenter Layer 2/3 Copper Gb Ethernet Switch Module	-	1,3,4	Y	3
-	32R1813	-	Brocade 10-port 4Gb SAN Switch Module for IBM BladeCenter	-	3,4	Y	2
-	32R1783	-	Nortel 10Gb Uplink Ethernet Switch Module for IBM BladeCenter	-	1,3,4	Y	3
-	32R1783	-	Nortel 10Gb Uplink Ethernet Switch Module for IBM BladeCenter	-	-	-	-
Systems Management							
-	2019B2X	-	IBM BladeCenter Open Fabric Manager for BC-S	-	-	-	-

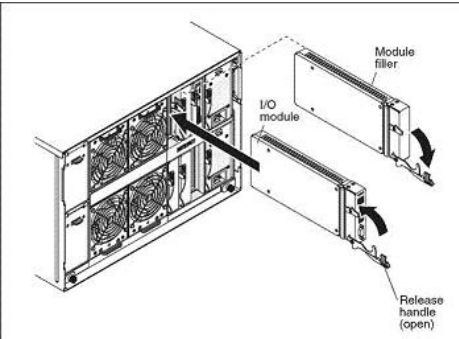
Other I/O							
44W4409	-	4942	10GbE 850 nm Fiber SFP+ Transceiver (SR) for IBM BladeCenter	-	-	-	-
-	43W3583	-	IBM BladeCenter S Serial Pass-thru Module	-	-	-	-
-	39R6475	-	4-Gbps SW SFP Transceiver	-	-	-	-
-	32R1878	-	10GbE 1310 nm Fiber XFP Transceiver (LR) for IBM BladeCenter	-	-	-	-
-	32R1877	-	10GbE 850 nm Fiber XFP Transceiver (SR) for IBM BladeCenter	-	-	-	-
-	25K8373	-	IBM eServer BladeCenter PCI I/O Expansion Unit II	-	-	-	-

Notes:

- 1. If you are using the internal storage in the chassis with BladeCenter S 6-Disk Storage Module you are required to have one SAS Connectivity Module for BladeCenter (P/N 39Y9195) in Switch Module 3. Support for two is available for redundancy via Switch Module 4. If using the SAS Connectivity Module in Switch Module 3 you must have the same Switch Module in Switch Module 4.
- 2. The mixing of fabric switches is not allowed in bays 3 and 4.
- 3. Only supported in dual controller mode; a minimum quantity of two (2) required in BladeCenter S.
- 4. Supported with SAS Expansion Card (CFFv) for BladeCenter (39Y9190).
- 5. Not compatible with Optical Pass-thru Module (Option 39Y9316) or Copper Pass-thru Module (Option 39Y9320).
- 6. The connectivity module is exclusively supported by the advanced management module. Before you configure the connectivity module, make sure the advanced management modules in your BladeCenter unit are correctly configured. For more information about the advanced management module, see the User's Guide for your advanced management module and at <http://www.ibm.com/systems/support/>
- 7. The direct connection to SAN devices is not supported. This option requires an NPIV aware external switch to operate correctly.

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Figure 1. BladeCenter S (8886) I/O modules



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* Lenovo has withdrawn this product from marketing.

BladeCenter S (8886)

Attention:

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
-	43W3582	-	IBM BladeCenter S 950W/1450W Auto-Sensing Power Supply (Optional)
40K8932	-	3791	0.6m Yellow Cat5e Cable
40K8936	-	3803	3m Blue Cat5e Cable
-	46C7438	-	IBM BladeCenter S C14 950W/1450W Auto-sensing Power Supplies 3 & 4
Power Distribution Units			
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4140	-	IBM 0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4134	-	IBM 0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
-	46M4128	-	IBM 0U 24 C13 30A PDU
-	46M4125	-	IBM 0U 24 C13 30A 3 Phase PDU
-	46M4116	-	IBM 0U 24 C13 Switched and Monitored 30A PDU
-	46M4005	-	IBM 1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	IBM 1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	IBM 1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	IBM 1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	IBM Enterprise C19 PDU
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	IBM Enterprise C19 3 phase PDU (60a)
-	39M2819	-	IBM DPI C19 3 phase PDU+
-	39M2818	-	IBM Dpi C19 PDU+
-	39M2816	-	IBM Dpi C13 PDU+
Uninterruptible Power Supply (UPS)			
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	53956KX*	-	IBM 6000VA LCD 4U Rack UPS (230V)
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	53953AX*	-	IBM 3000VA LCD 3U Rack UPS (100V/120V)
-	46M4110	-	IBM LCD UPS Network Management Card
-	24195KX	-	IBM UPS5000 HV
-	21304RX*	-	IBM UPS 10000Xhv
-	21302RX	-	IBM UPS3000 HV
-	21301RX	-	IBM UPS3000 LV
Racks			
-	99564XX	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93634PX	-	IBM 42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	IBM 42U 1100mm Enterprise V2 Dynamic Expansion Rack

-	93624PX	-	IBM 47U 1200mm Deep Static Rack
-	93624EX	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
-	93074XX	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93072PX	-	IBM S2 25U Static Base Cabinet
Rack and rack Options			
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	93061RX	-	NetBAY11 Standard Rack
-	46M5383	-	IBM Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	IBM Serial Conversion Option (SCO)
-	43W4391	-	IBM BladeCenter PCI Express I/O Expansion Unit
-	39R7563	-	IBM BladeCenter Storage and I/O Expansion Blade
-	39M2897	-	IBM Long KVM Conversion Option (Long KCO)
-	39M2895	-	IBM USB Conversion Option (UCO)
-	39M2894	-	IBM Virtual Media Conversion Option (VCO)
-	17237RX	-	IBM 19" Fixed Shelf Option
-	17231RX	-	IBM 1U 17" Flat Panel console Kit w/ Optical Drive Bay
-	14104RX	-	IBM 42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
Rack Console Switch			
39Y7953	31R3132	3751	3m Console Switch Cable (USB)
-	17354LX	-	IBM 2 x 16 Console Switch
-	17353LX	-	IBM 1 x 8 Console Switch
-	17351GX	-	IBM Local 2x8 Console Manager (LCM2)
Console Connectivity			
-	1754D2X	-	IBM Global 4X2X32 Console Manager
-	1754D1X	-	IBM Global 2X2X16 Console Manager
-	1754A2X	-	IBM Local 2X16 Console Manager
-	1754A1X	-	IBM Local 1X8 Console Manager
-	17354GX	-	Global 4x16 Console Mngr (GCM4)
-	17352GX	-	IBM Global 2x16 Console Mngr(GCM2)
-	17233RX	-	IBM 1U 15" Flat Panel Console Kit
-	172319X	-	1U 19in Flat Panel Console Kit
-	172317X	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
-	40K9584	-	IBM Preferred Pro Keyboard USB - US English 103P
-	40K9201	-	IBM 3 Button Optical Mouse - Black - USB
-	40K9200	-	IBM Optical Wheel Mouse - USB RoHS
-	40K5372	-	IBM Keyboard w/ Integrated Pointing Device USB - US English 103P
-	17235RX	-	IBM Rack Keyboard Tray
Associated Options			
39Y8072	43V6147	3757	1.5M USB Conversion Cable Set
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
-	43X0340	-	IBM BladeCenter Airborne Contaminant Filter
-	25R5560	-	3U Quick Install Filler Panel Set
-	2018	-	IBM 11U Office Enablement Kit
Fiber Cables			
13N1942	-	3703	1m LC-LC Fiber Cable
13N1943	-	3704	5m LC-LC Fiber Cable
13N1944	-	3705	25m LC-LC Fiber Cable
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
40K9806	-	3702	25m LC-LC Fiber Cable (networking)
-	39M5698*	-	25M Fiber Optic Cable LC-LC

-	39M5697*	-	5M Fiber Optic Cable LC-LC
-	39M5696*	-	1M Fiber Optic Cable LC-LC
Rack Power Cables			
39Y5547	-	6204	2.8m, 15A/125-10A/250V, C13 to IEC 320-C20 Rack Power Cable
Line Cords			
-	40K9772	-	4.3m, 16A/208V, C19 to NEMA L6-20P (US) Line Cord
39Y8121	-	6351	1.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
39Y8122	-	6372	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
39Y8123	-	6373	4.3m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
39Y5662	-	6335	4.3m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
39Y8187	-	6360	1.8m, 12A/200V, C13 to JIS C-8303 (Japan) Line Cord

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* Lenovo has withdrawn this product from marketing.

BladeCenter HT DC (8740)

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- At a glance
- Options

Table 1. BladeCenter HT DC (8740) at-a-glance

Part number	Withdrawal date	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord)	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
8740-1RY	31 August 2011	Rack (12U) 19in. X 24in.	2535w (-48VDC)	2 / 4	P,B,B	S-Fans, S-Power
8740-2RY	-	Rack (12U) 19in. X 24in	2535w (-48VDC)	4/4	P,B,B	S-Fans, S-Power

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Table 1. BladeCenter HT DC (8740) at-a-glance (continued)

Part number	Withdrawal date	Management Module (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Blade Bays (Total/Avail)
8740-1RY	31 August 2011	1/2	8/8	N/A	N/A	12 / 12
8740-2RY	-	2/2	8/8	N/A	N/A	12 / 12

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Table 2. BladeCenter HT DC (8740), Blade Server support

Blade Server	Models Supported
HS12 (8028)	All Models
HS22 (7870)	All Models
7871	All Models
7872	All Models
7873	All Models
7875	All Models
8038	Not Supported
HS12 (8014)	All Models
HS21 (8853)	All Dual Core1 All Quad Core2
HS21 XM (7995)	All Dual Core1 All Quad Core2
HS23 (7875)	All Models
HS23E (8038)	Not Supported
LS21 (7971)	All Models
LS22 (7901)	Not Supported
LS41 (7972)	All Models
LS42 (7902)	Not Supported
QS21 (0792)	All Models
QS22 (0793)	All Models
HC10 (7996)	Not Supported

Notes:

- Supports a maximum capacity of 12 blade servers.
- Supports a maximum capacity of 10 blade servers at 120 watts.
- Supports a maximum capacity of 12 blade servers at 80 watts.

BladeCenter HT DC (8740)

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Connection type from	Connection type to	# of Drops	Connects from	Connects to
-	39Y9170*	-	BladeCenter Copper Pass-thru Module Cable for BladeCenter	Multiport Copper	CAT 5E Copper Connections	5	CPM switch	Network
-	39Y9172*	-	BladeCenter Optical Pass-thru Module LC Cable	Multiport Optical	LC Duplex Optical Connections	4	OPM switch	SAN
-	26R0816*	-	Infiniband 12x to (3) 4x Cable 3 meter for BladeCenter	Infiniband	4x Infiniband	3	IB 12x connector	IB Fabric
-	26R0813*	-	Infiniband 4x Cable 3 meter for BladeCenter	Infiniband	4x Infiniband	1	IB 4x connector	IB Fabric
-	26R0847*	-	InfiniBand 8 meter 4x Cable for BladeCenter	Infiniband	4x Infiniband	1	IB 4x connector	IB Fabric
32R1850	26R0849	4295	InfiniBand 8 meter 12 to (3) 4x Cable for BladeCenter	Infiniband	4x Infiniband	3	IB 12x connector	IB Fabric
32R1938	32R1937*	4362	CX4 1.5 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
32R1942	32R1941*	4363	CX4 3.0 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
39Y9173	39Y9171*	4364	BladeCenter Optical Pass-thru Module SC Cable	Multiport Optical	SC Duplex Optical Connections	4	OPM switch	SAN
40K9606	40K9605	4811	BladeCenter H Serial Port Breakout Cable	-	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

BladeCenter HT DC (8740)

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

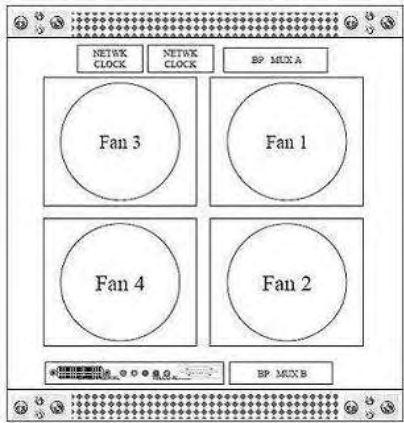
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
Associated HDD Options						
-	42C5310*	-	BladeCenter HT Compact Flash 4GB	-	-	-
-	42C5307*	-	BladeCenter HT Compact Flash 1GB	-	-	-

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Figure 1. BladeCenter HT DC (8740) front view



Figure 2. BladeCenter HT DC (8740) rear view



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* Lenovo has withdrawn this product from marketing.

BladeCenter HT DC (8740)

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Form Factor	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options							
-	46C9272*	-	Cisco Catalyst Switch Module 3012 for BladeCenter	-	-	-	-
-	46C9270*	-	Cisco Nexus 4001i Switch Module for BladeCenter	-	-	-	-
-	44E5696*	-	Cisco 4Gb FC 20 Port Switch for BladeCenter	-	-	-	-
-	44E5692*	-	Cisco 4Gb FC 10 Port Switch for BladeCenter	-	-	-	-
-	00Y3254*	-	Cisco Catalyst Switch Module 3110G for BladeCenter	-	-	-	-
-	00Y3250*	-	Cisco Catalyst Switch Module 3110X for BladeCenter	-	-	-	-
Networking ¹							
-	39Y9320*	-	BladeCenter Copper Pass-thru Module for BladeCenter	-	SMb 1,2,3,4	Y	4
-	39Y9316*	-	BladeCenter Optical Pass-thru Module for BladeCenter	StFF	SMb 1,2,3,4	Y	4
-	31R3132*	-	3m Console Switch Cable (USB)	-	-	-	-
-	32R1905*	-	McData 4Gb 10-port Fibre Channel Switch Module for eServer ¹	StFF	SMb 3,4	Y	2
-	32R1904*	-	QLogic 4Gb 10-port Fibre Channel Switch Module for eServer	-	SMb 3,4	Y	2
-	32R1892*	-	Cisco Systems Intelligent Gb Ethrnt Sw Mod for BladeCenter	-	SMb 1,2,3,4	Y	4
-	32R1888*	-	Cisco Systems Fiber Intelligent Gb Ethrnt Sw Mod for BladeCenter	-	SMb 1,2,3,4	Y	4
-	32R1859*	-	BladeCenter Layer 2-7 Gigabit Ethernet Switch Module	StFF	SMb 1,2,3,4	Y	4
-	32R1833*	-	McDATA 4Gb 20-port Fibre Channel Module for eServer BladeCenter ¹	StFF	SMb 3,4	Y	2
-	32R1813*	-	Brocade 4Gb 10-port SAN Switch Module for BladeCenter ¹	StFF	SMb 3,4	Y	2
-	32R1812*	-	Brocade 4Gb 20-port SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
-	32R1783*	-	Nortel 10Gb Uplink Ethernet Switch Module for BladeCenter	-	SMb 1,2,3,4	Y	4
-	26R0881*	-	QLogic 4Gb 20-port Fibre Chan Switch Module for eServer ¹	StFF	SMb 3,4	Y	2
32R1863	32R1860	1495	BladeCenter Layer 2/3 Copper Gb Ethernet Switch Module	StFF	SMb 1,2,3,4	Y	4
32R1864	32R1861	1496	BladeCenter Layer 2/3 Fiber Gb Ethernet Switch Module	StFF	SMb 1,2,3,4	Y	4
39Y9325	39Y9324	1484	Server Connectivity Module for BladeCenter	StFF	SMb 1,2,3,4	Y	4
-	39Y9207*	-	QLogic Infiniband Ethernet Bridge Module for BladeCenter	-	SMb 3,4	Y	2
-	43W6725*	-	Qlogic 20-port 4Gb SAN Switch Module for BladeCenter	StFF	SMb 3,4	Y	2
-	43W6724*	-	Qlogic 10-port 4Gb SAN Switch Module	StFF	SMb 3,4	Y	2
-	43W6723*	-	QLogic 4Gb Intelligent Pass-thru Module ⁴	StFF	SMb 3,4	Y	2
39Y9194	39Y9195	2980	BladeCenter SAS Connectivity Module ³	-	SMb 3,4	Y	2
-	43W4395*	-	Cisco Catalyst Switch Module 3012 for BladeCenter	StFF	SMb 1,2,3,4	Y	4
-	41Y8523*	-	Cisco Catalyst Switch 3110G for BladeCenter ²	StFF	SMb 1,2,3,4	Y	4
-	41Y8522*	-	Cisco Catalyst Switch 3110X for BladeCenter ²	StFF	SMb 1,2,3,4	Y	4
44W4484	44W4483	5452	Intelligent Copper Pass-thru Module for BladeCenter	-	SMb 1,2,3,4	Y	4
44W4405	44W4404	1590	BladeCenter 1/10Gb Uplink Ethernet Switch Module	-	SMb 1,2,3,4	Y	4
-	44X1905*	-	QLogic 20-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
44X1910	44X1907	5482	QLogic 8Gb Intelligent Pass-thru Module for BladeCenter ⁴	-	SMb 3,4	Y	2
-	39Y9284*	-	Cisco Systems 4Gb 10-port Fibre Channel Module	-	SMb 3,4	Y	2
-	39Y9280*	-	Cisco Systems 4Gb 20-port Fibre Channel Module	-	SMb 3,4	Y	2
46M6182	46M6181	1641	10Gb Ethernet Pass-Thru Module for BladeCenter	-	SMb 7,8,9,10	Y	4
44X1922	44X1920	5481	Brocade 20-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
44X1923	44X1921	5483	Brocade 10-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
42C1829	42C1828	5764	Brocade Enterprise 20-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2

-	46M6071*	-	Cisco Nexus 4001I Switch Module for BladeCenter	-	SMB 7,8,9,10	Y	4
49Y9989	-	1744	S/W Upgrade License for Cisco Nexus 4001I	-	-	-	-
49Y4217	-	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-
-	69Y1909*	-	Brocade Converged 10GbE Switch Module for BladeCenter	-	SMB 7,8,9,10	Y	2
-	88Y6410*	-	QLogic 4/8 Gb Intelligent Pass-thru Module for BladeCenter	-	-	-	-
-	88Y6406*	-	QLogic 20-port 4/8 Gb SAN Switch Module for BladeCenter	-	-	-	-
-	32R1822	-	Brocade 10-port Upgrade for BladeCenter	-	-	-	-
-	26K5605*	-	Brocade Performance Bundle for IBM eServer BladeCenter	-	1,2,3,4	Y	4
-	17354LX*	-	IBM 2 x 16 Console Switch	-	-	-	-
-	17353LX*	-	IBM 1 x 8 Console Switch	-	-	-	-
-	90P0165*	-	Brocade Enterprise Switch Module for IBM eServer BladeCenter	-	-	-	-
-	44R5913	-	Multi-Switch Interconnect Module for BladeCenter HT	-	-	-	-
-	26K5607	-	Brocade ISL Trunking for BladeCenter	-	1,2,3,4	Y	4
-	22R4242	-	4Gb Short Wave SFP Module	-	3, 4	Y	2
46C7192	46C7191	1639	BladeCenter Virtual Fabric 10Gb Switch Module	-	SMB 7,8,9,10	Y	4
Systems Management							
42C5273	42C5300	4818	BladeCenter HT Interposer for Gb Switches and Bridge Bays	-	-	-	-
42C5276	42C5302	4820	BladeCenter HT Interposer for HS Switch Bay	-	-	-	-
42C5314	42C5315	2022	BladeCenter HT Advanced Management Module Interposer	-	-	-	-
25R5779	-	1604	BladeCenter KVM/Advanced Management Module	-	Red KVM	Y	2
42C5274	-	A3TX	BladeCenter HT Interposer for Gb Switch/Bridge Bays w/ ISL	-	-	-	-
Blade Server Expansion Cards							
-	46M6730*	-	IBM BladeCenter PCI Express Gen 2 Expansion Blade	-	-	-	-
-	46M6772*	-	IBM BladeCenter GPU Expansion Blade with NVIDIA Tesla M2070Q	-	-	-	-
-	46M6771*	-	IBM BladeCenter GPU Expansion Blade with NVIDIA Tesla M2075	-	-	-	-
-	68Y7484	-	BladeCenter PCI Express Gen 2 Expansion Blade II	-	-	-	-
-	68Y7479*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2070Q	-	-	-	-
-	68Y7478*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2075	-	-	-	-
-	00D6881*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2090	-	-	-	-
Other I/O							
-	32R1878*	-	10GbE 1310nm Fiber XFP Transceiver (LR)	-	-	-	-
-	32R1877*	-	10GbE 850nm Fiber XFP Transceiver (SR)	-	-	-	-
39Y9122	-	4299	Short Wave SFP Module	-	-	-	-
44X1968	-	5075	8Gb SFP+ SW Optical Transceiver7	-	-	-	-
44X1966	-	5084	Brocade 8Gb SFP+ SW Optical Transceiver6	-	-	-	-
90Y9491	-	A1PN	SFP LX Transceiver	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-
-	22R4902*	-	4 Gbps SW SFP Transceiver	-	-	-	-
-	22R4897*	-	4 Gbps SW SFP Transceiver 4 Pack	-	-	-	-
-	19K1249*	-	25 M Fibre Channel Cable	-	-	-	-
-	19K1248*	-	5 M Fibre Channel Cable	-	-	-	-
-	19K1247*	-	1 M Fibre Channel Cable	-	-	-	-
-	25K8373*	-	IBM eServer BladeCenter PCI I/O Expansion Unit IIs	-	-	-	-

Notes:

1. One interposer is required per switch.
2. A transceiver must be purchased directly from Cisco, or Cisco reseller.
3. The connectivity module is exclusively supported by the advanced management module. Before you configure the connectivity module, make sure the advanced management modules in your BladeCenter unit are correctly configured. For more information about the advanced management module, see the User's Guide for your advanced management module and at <http://www.ibm.com/systems/support/>
4. The direct connection to SAN devices is not supported. This option requires an NP1V aware external switch to operate correctly.
5. The BladeCenter PCI I/O Expansion Unit provides two 64-bit/100MHz PCI-X slots. The expansion unit itself occupies one BladeCenter slot and attaches to the blade server. Both units are installed together into the BladeCenter chassis as a single unit occupying two BladeCenter slots.
6. Only supported for Brocade 8Gb SAN Switches (44X1920,44X1921,42C1828)
7. Only supported for QLogic 8Gb Intelligent Pass-thru Module for IBM BladeCenter (44X1907) and Qlogic 20-port 8Gb SAN Switch Module for IBM BladeCenter (44X1905)
8. Form Factor abbreviations are as follows: SFF = Small Form Factor, StFF = Standard Form Factor, HSFF = High Speed Form Factor. The Standard Form Factor (StFF) card is the original form factor for expansion cards in blade servers. An StFF expansion card uses the PCI-X connector on the blade server and expansion units. When an StFF expansion card is installed using the PCI-X connector it is not possible to install a CFFh nor HSFF expansion card on the adjacent PCI-E connector (if one exists in the server) In addition, when an StFF expansion card is installed, the second hard disk drive on some blade servers cannot be installed.

Figure 1. BladeCenter Storage and I/O Expansion Unit, view 1

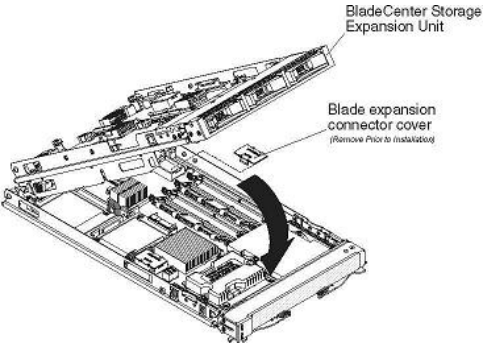


Figure 2. BladeCenter Storage and I/O Expansion Unit, view 2

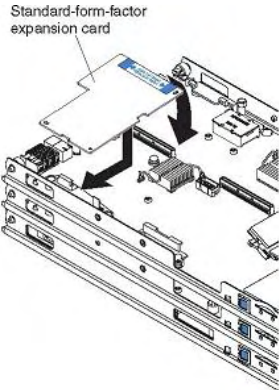
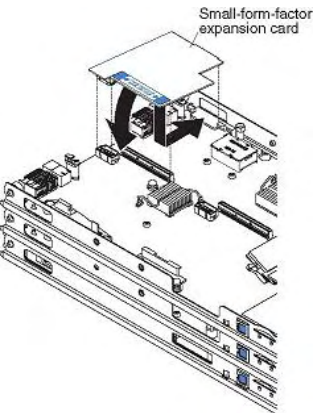


Figure 3. BladeCenter Storage and I/O Expansion Unit, view 3



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* Lenovo has withdrawn this product from marketing.

BladeCenter HT DC (8740)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
42C5264	42C5279	1984	DC Power Supply 3 & 4
43W6751	-	1987	DC Power Supply 1 & 2
Power Distribution Units			
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
Uninterruptible Power Supply (UPS)			
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	46M4110	-	LCD UPS Network Management Card
-	53956KX*	-	IBM 6000VA LCD 4U Rack UPS (230V)
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
Racks			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
42C5265	42C5278	4816	BladeCenter HT Bezel (Incl Filter & Cable Mgmt Collar)
42C5271	42C5305	4817	BladeCenter HT Media Tray
-	93061RX*	-	NetBAY11 Standard Rack
-	26K4817	-	IBM BladeCenter SFF SCSI Storage Expansion Unit
-	42C5284	-	BladeCenter HT 4-Post Rack Mount Kit
-	40K9627*	-	Acoustic Door Kit for Enterprise Rack
-	43W4391*	-	IBM BladeCenter PCI Express I/O Expansion Unit
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)

Console Connectivity			
-	17354GX*	-	Global 4x16 Console Mngr (GCM4)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17233RX*	-	IBM 1U 15" Flat Panel Console Kit
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Keyboard and Mouse			
-	17231RX*	-	IBM 1U 17" Flat Panel console Kit w/ Optical Drive Bay
Associated Options			
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
-	39M2895	-	USB Conversion Option (UCO)
-	39M2894*	-	IBM Virtual Media Conversion Option (VCO)
-	43V6147	-	Single Cable USB Conversion Option (UCO)
-	42C5316	-	IBM BladeCenter HT Filter (4 pack)
Fiber Cables			
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
40K9806	-	3702	25m LC-LC Fiber Cable (networking)

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* Lenovo has withdrawn this product from marketing.

BladeCenter HT AC (8750)

Attention:

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- At a glance
- Options

Table 1. BladeCenter HT AC (8750) at-a-glance

Part number	Withdrawal date	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord)	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
8750-1RY	31 August 2011	Rack (12U) 19in. X 24in.	3160w (200V - 240V)	2 / 4	P,B,B	S-Fans, S-Power
8750-2RY	-	Rack (12U) 19in. X 24in.	3160w (200V - 240V)	4 / 4	P,B,B	S-Fans, S-Power

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Table 1. BladeCenter HT AC (8750) at-a-glance (continued)

Part number	Withdrawal date	Management Module (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Blade Bays (Total/Avail)
8750-1RY	31 August 2011	1/2	8/8	N/A	N/A	12 / 12
8750-2RY	-	2 /2	8/8	N/A	N/A	12 /12

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Table 2. BladeCenter HT AC (8750), Blade Server support

Blade Server	Models Supported
HS12 (8028)	All Models
HS22 (7870)	All Models
7871	All Models
7872	All Models
7873	All Models
8038	Not Supported
HS12 (8014)	All Models
HS21 (8853)	All Dual Core 1 All Quad Core2, 3
HS21 XM (7995)	All Dual Core 1 All Quad Core2, 3
HS23 (7875)	All Models
HS23E (8038)	Not Supported
HC10 (7996)	Not Supported
LS21 (7971)	All Models
LS22 (7901)	Not Supported
LS41 (7972)	All Models
LS42 (7902)	Not Supported
QS21 (0792)	All Models
QS22 (0793)	All Models

Notes:

- Supports a maximum capacity of 12 blade servers.
- Supports a maximum capacity of 10 blade servers over 80 watts.
- Supports a maximum capacity of 12 blade servers at 80 watts or under.

BladeCenter HT AC (8750)

Attention:

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Connection type from	Connection type to	# of Drops	Connects from	Connects to
-	39Y9170*	-	BladeCenter Copper Pass-thru Module Cable for BladeCenter	Multiport Copper	CAT 5E Copper Connections	5	CPM switch	Network
-	39Y9172*	-	BladeCenter Optical Pass-thru Module LC Cable	Multiport Optical	LC Duplex Optical Connections	4	OPM switch	SAN
-	26R0816*	-	Infiniband 12x to (3) 4x Cable 3 meter for BladeCenter	Infiniband	4x Infiniband	3	IB 12x connector	IB Fabric
-	26R0813*	-	Infiniband 4x Cable 3 meter for BladeCenter	Infiniband	4x Infiniband	1	IB 4x connector	IB Fabric
-	26R0847*	-	InfiniBand 8 meter 4x Cable for BladeCenter	Infiniband	4x Infiniband	1	IB 4x connector	IB Fabric
32R1850	26R0849	4295	InfiniBand 8 meter 12 to (3) 4x Cable for BladeCenter	Infiniband	4x Infiniband	3	IB 12x connector	IB Fabric
32R1938	32R1937*	4362	CX4 1.5 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
32R1942	32R1941*	4363	CX4 3.0 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
39Y9173	39Y9171*	4364	BladeCenter Optical Pass-thru Module SC Cable	Multiport Optical	SC Duplex Optical Connections	4	OPM switch	SAN
40K9606	40K9605	4811	BladeCenter H Serial Port Breakout Cable	-	-	-	-	-
-	22R4902*	-	4 Gbps SW SFP Transceiver	-	-	-	-	-
-	22R4897*	-	4 Gbps SW SFP Transceiver 4 Pack	-	-	-	-	-
-	19K1249*	-	25 M Fibre Channel Cable	-	-	-	-	-
-	19K1248*	-	5 M Fibre Channel Cable	-	-	-	-	-
-	19K1247*	-	1 M Fibre Channel Cable	-	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

BladeCenter HT AC (8750)

Attention:

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
Associated HDD Options						
-	42C5310*	-	BladeCenter HT Compact Flash 4GB	-	-	-
-	42C5307*	-	BladeCenter HT Compact Flash 1GB	-	-	-

Note:

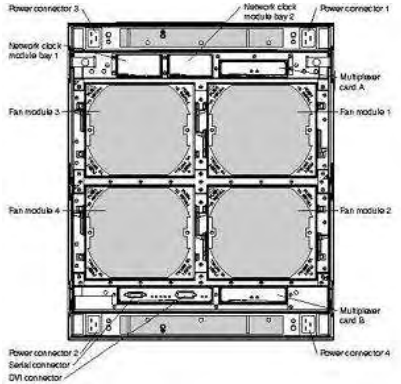
1. Supported on IBM BladeCenter Storage and I/O Expansion Unit only.

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Figure 1. BladeCenter HT AC (8750) front view



Figure 2. BladeCenter HT AC (8750) rear view



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* Lenovo has withdrawn this product from marketing.

BladeCenter HT AC (8750)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Form Factor	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options							
-	46C9272*	-	Cisco Catalyst Switch Module 3012 for BladeCenter	-	-	-	-
-	46C9270*	-	Cisco Nexus 4001i Switch Module for BladeCenter	-	-	-	-
-	44E5696*	-	Cisco 4Gb FC 20 Port Switch for BladeCenter	-	-	-	-
-	44E5692*	-	Cisco 4Gb FC 10 Port Switch for BladeCenter	-	-	-	-
-	00Y3254*	-	Cisco Catalyst Switch Module 3110G for BladeCenter	-	-	-	-
-	00Y3250*	-	Cisco Catalyst Switch Module 3110X for BladeCenter	-	-	-	-
Networking							
-	39Y9320*	-	BladeCenter Copper Pass-thru Module for BladeCenter	-	SMb 1,2,3,4	Y	4
-	39Y9316*	-	BladeCenter Optical Pass-thru Module for BladeCenter	StFF	SMb 1,2,3,4	Y	4
-	32R1905*	-	McData 4Gb 10-port Fibre Channel Switch Module for eServer ¹	StFF	SMb 3,4	Y	2
-	32R1904*	-	QLogic 4Gb 10-port Fibre Channel Switch Module for eServer	-	SMb 3,4	Y	2
-	32R1892*	-	Cisco Systems Intelligent Gb Ethrnt Sw Mod for BladeCenter	-	SMb 1,2,3,4	Y	4
-	32R1888*	-	Cisco Systems Fiber Intelligent Gb Ethrnt Sw Mod for BladeCenter	-	SMb 1,2,3,4	Y	4
-	32R1859*	-	BladeCenter Layer 2-7 Gigabit Ethernet Switch Module	StFF	SMb 1,2,3,4	Y	4
-	32R1833*	-	McDATA 4Gb 20-port Fibre Channel Module for eServer BladeCenter ¹	StFF	SMb 3,4	Y	2
-	32R1813*	-	Brocade 4Gb 10-port SAN Switch Module for BladeCenter	StFF	SMb 3,4	Y	2
-	32R1812*	-	Brocade 4Gb 20-port SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
-	32R1783*	-	Nortel 10Gb Uplink Ethernet Switch Module for BladeCenter	-	SMb 1,2,3,4	Y	4
-	26R0881*	-	QLogic 4Gb 20-port Fibre Chan Switch Module for eServer ¹	StFF	SMb 3,4	Y	2
32R1863	32R1860	1495	BladeCenter Layer 2/3 Copper Gb Ethernet Switch Module	StFF	SMb 1,2,3,4	Y	4
32R1864	32R1861	1496	BladeCenter Layer 2/3 Fiber Gb Ethernet Switch Module	StFF	SMb 1,2,3,4	Y	4
39Y9325	39Y9324	1484	Server Connectivity Module for BladeCenter	StFF	SMb 1,2,3,4	Y	4
-	39Y9207*	-	QLogic Infiniband Ethernet Bridge Module for BladeCenter	-	SMb 3,4	Y	2
-	43W6725*	-	Qlogic 20-port 4Gb SAN Switch Module for BladeCenter	StFF	SMb 3,4	Y	2
-	43W6724*	-	Qlogic 10-port 4Gb SAN Switch Module	StFF	SMb 3,4	Y	2
-	43W6723*	-	QLogic 4Gb Intelligent Pass-thru Module ³	StFF	SMb 3,4	Y	2
39Y9194	39Y9195	2980	BladeCenter SAS Connectivity Module ²	-	SMb 3,4	Y	2
-	43W4395*	-	Cisco Catalyst Switch Module 3012 for BladeCenter	StFF	SMb 1,2,3,4	Y	4
-	41Y8523*	-	Cisco Catalyst Switch 3110G for BladeCenters ⁵	StFF	SMb 1,2,3,4	Y	4
-	41Y8522*	-	Cisco Catalyst Switch 3110X for BladeCenters ⁵	StFF	SMb 1,2,3,4	Y	4
44W4484	44W4483	5452	Intelligent Copper Pass-thru Module for BladeCenter	-	SMb 1,2,3,4	Y	4
44W4405	44W4404	1590	BladeCenter 1/10Gb Uplink Ethernet Switch Module	-	SMb 1,2,3,4	Y	4
-	44X1905*	-	QLogic 20-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
44X1910	44X1907	5482	QLogic 8Gb Intelligent Pass-thru Module for BladeCenters ³	-	SMb 3,4	Y	2
-	39Y9284*	-	Cisco Systems 4Gb 10-port Fibre Channel Module	-	SMb 3,4	Y	2
-	39Y9280*	-	Cisco Systems 4Gb 20-port Fibre Channel Module	-	SMb 3,4	Y	2
46M6182	46M6181	1641	10Gb Ethernet Pass-Thru Module for BladeCenter	-	SMb 7,8,9,10	Y	4
44X1922	44X1920	5481	Brocade 20-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
44X1923	44X1921	5483	Brocade 10-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
42C1829	42C1828	5764	Brocade Enterprise 20-port 8Gb SAN Switch Module for BladeCenter	-	SMb 3,4	Y	2
-	46M6071*	-	Cisco Nexus 4001i Switch Module for BladeCenter	-	SMb 7,8,9,10	Y	4

49Y9989	-	1744	S/W Upgrade License for Cisco Nexus 4001I	-	-	-	-
49Y4217	-	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-
-	69Y1909*	-	Brocade Converged 10GbE Switch Module for BladeCenter	-	SMB 7,8,9,10	Y	2
-	88Y6410*	-	QLogic 4/8 Gb Intelligent Pass-thru Module for BladeCenter	-	-	-	-
-	88Y6406*	-	QLogic 20-port 4/8 Gb SAN Switch Module for BladeCenter	-	-	-	-
-	32R1822	-	Brocade 10-port Upgrade for BladeCenter	-	-	-	-
-	26K5605*	-	Brocade Performance Bundle for IBM eServer BladeCenter	-	-	-	-
-	26K4817	-	IBM BladeCenter SFF SCSI Storage Expansion Unit	-	-	-	-
-	90P0165*	-	Brocade Enterprise Switch Module for IBM eServer BladeCenter	-	-	-	-
-	44R5913	-	Multi-Switch Interconnect Module for BladeCenter HT	-	-	-	-
-	26K5607	-	Brocade ISL Trunking for BladeCenter	-	-	-	-
46C7192	46C7191	1639	BladeCenter Virtual Fabric 10Gb Switch Module	-	SMB 7,8,9,10	Y	4
Systems Management							
42C5273	42C5300	4818	BladeCenter HT Interposer for Gb Switches and Bridge Bays	-	-	-	-
42C5276	42C5302	4820	BladeCenter HT Interposer for HS Switch Bay	-	-	-	-
42C5314	42C5315	2022	BladeCenter HT Advanced Management Module Interposer	-	-	-	-
25R5779	-	1604	BladeCenter KVM/Advanced Management Module	-	Red KVM	Y	2
42C5274	-	A3TX	BladeCenter HT Interposer for Gb Switch/Bridge Bays w/ ISL	-	-	-	-
Blade Server Expansion Cards							
-	46M6730*	-	IBM BladeCenter PCI Express Gen 2 Expansion Blade	-	-	-	-
-	46M6772*	-	IBM BladeCenter GPU Expansion Blade with NVIDIA Tesla M2070Q	-	-	-	-
-	46M6771*	-	IBM BladeCenter GPU Expansion Blade with NVIDIA Tesla M2075	-	-	-	-
-	68Y7484	-	BladeCenter PCI Express Gen 2 Expansion Blade II	-	-	-	-
-	68Y7479*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2070Q	-	-	-	-
-	68Y7478*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2075	-	-	-	-
-	00D6881*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2090	-	-	-	-
Other I/O							
-	32R1878*	-	10GbE 1310nm Fiber XFP Transceiver (LR)	-	-	-	-
-	32R1877*	-	10GbE 850nm Fiber XFP Transceiver (SR)	-	-	-	-
39Y9122	-	4299	Short Wave SFP Module	-	-	-	-
44X1968	-	5075	8Gb SFP+ SW Optical Transceiver ⁷	-	-	-	-
44X1966	-	5084	Brocade 8Gb SFP+ SW Optical Transceiver ⁶	-	-	-	-
90Y9491	-	A1PN	SFP LX Transceiver	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-
-	25K8373*	-	IBM eServer BladeCenter PCI I/O Expansion Unit II ⁴	-	-	-	-
-	43W4391*	-	IBM BladeCenter PCI Express I/O Expansion Unit	-	-	-	-

Notes:

1. One interposer is required per switch.
2. The connectivity module is exclusively supported by the advanced management module. Before you configure the connectivity module, make sure the advanced management modules in your BladeCenter unit are correctly configured. For more information about the advanced management module, see the User's Guide for your advanced management module and at <http://www.ibm.com/systems/support/>
3. The direct connection to SAN devices is not supported. This option requires an NPIV aware external switch to operate correctly.
4. The BladeCenter PCI I/O Expansion Unit provides two 64-bit/100MHz PCI-X slots. The expansion unit itself occupies one BladeCenter slot and attaches to the blade server. Both units are installed together into the BladeCenter chassis as a single unit occupying two BladeCenter slots.
5. A transceiver must be purchased directly from Cisco, or Cisco reseller.
6. Only supported for Brocade 8Gb SAN Switches (44X1920,44X1921,42C1828)
7. Only supported for QLogic 8Gb Intelligent Pass-thru Module for IBM BladeCenter (44X1907) and Qlogic 20-port 8Gb SAN Switch Module for IBM BladeCenter (44X1905)
8. Form Factor abbreviations are as follows: SFF = Small Form Factor, StFF = Standard Form Factor, HSFF = High Speed Form Factor. The Standard Form Factor (StFF) card is the original form factor for expansion cards in blade servers. An StFF expansion card uses the PCI-X connector on the blade server and expansion units. When an StFF expansion card is installed using the PCI-X connector it is not possible to install a CFFh nor HSFF expansion card on the adjacent PCI-E connector (if one exists in the server) In addition, when an StFF expansion card is installed, the second hard disk drive on some blade servers cannot be installed.

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Figure 1. BladeCenter Storage and I/O Expansion Unit, view 1

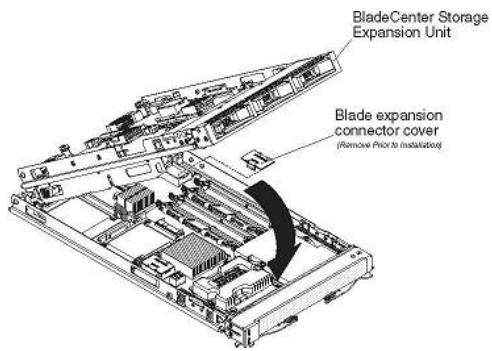


Figure 2. BladeCenter Storage and I/O Expansion Unit, view 2

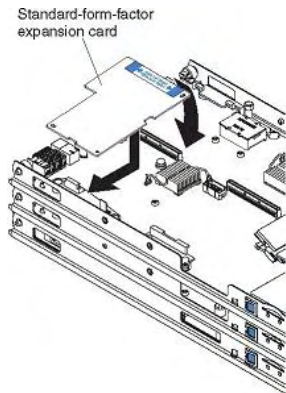
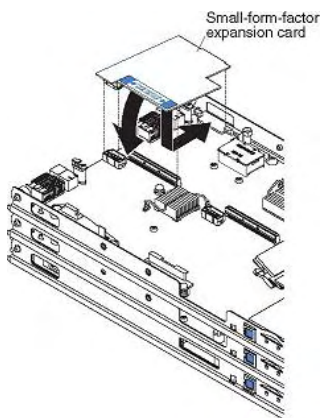


Figure 3. BladeCenter Storage and I/O Expansion Unit, view 3



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* Lenovo has withdrawn this product from marketing.

BladeCenter HT AC (8750)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
42C5262	42C5280	1983	AC Power Supply 3 & 4
43W6757	-	1986	AC Power Supply 1 & 2
Power Distribution Units			
-	73P5847*	-	DPI 60A/208v 3-Phase High Density C19 PDU w/IEC309 3P+Gnd Connector
-	39Y8951	-	DPI Universal Rack PDU with Nema L5-20P and L6-20P
-	39Y8948	-	Enterprise C19 PDU1
-	39Y8941	-	Enterprise C13 PDU1
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2819*	-	IBM DPI C19 3 phase PDU+
-	39M2818*	-	IBM Dpi C19 PDU+
-	39M2816	-	Dpi C13 PDU+
-	39Y8935	-	DPI 63amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
Uninterruptible Power Supply (UPS)			
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	46M4110	-	LCD UPS Network Management Card
-	53956KX*	-	IBM 6000VA LCD 4U Rack UPS (230V)
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
Racks			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack

-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
42C5265	42C5278	4816	BladeCenter HT Bezel (Incl Filter & Cable Mgmt Collar)
42C5271	42C5305	4817	BladeCenter HT Media Tray
-	93061RX*	-	NetBAY11 Standard Rack
-	39M2895	-	USB Conversion Option (UCO)
-	39M2894*	-	IBM Virtual Media Conversion Option (VCO)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	42C5284	-	BladeCenter HT 4-Post Rack Mount Kit
-	40K9627*	-	Acoustic Door Kit for Enterprise Rack
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
Console Connectivity			
-	31R3132*	-	3m Console Switch Cable (USB)
-	17354GX*	-	Global 4x16 Console Mngr (GCM4)
-	17233RX*	-	IBM 1U 15" Flat Panel Console Kit
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Keyboard and Mouse			
-	17231RX*	-	IBM 1U 17" Flat Panel console Kit w/ Optical Drive Bay
-	4943	-	IBM T117 17in TFT LCD
-	4942	-	IBM T115 15in TFT LCD
Associated Options			
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	42C5316	-	IBM BladeCenter HT Filter (4 pack)
Fiber Cables			
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
40K9806	-	3702	25m LC-LC Fiber Cable (networking)

Notes:

1. Ships without a line cord. See the 'Rack power configurator' chapter for supported line cords.
2. Embedded support is provided for RAID levels 0 and 1.
3. Supports up to three 2.5" SAS Hotswap HDDs.

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* Lenovo has withdrawn this product from marketing.

BladeCenter H (8852)

Attention:

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- At a glance
- Options

Table 1. BladeCenter H (8852) at-a-glance

Part number1	Withdrawal date	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord)	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
8852-4XY	28 November 2008	Rack (9U) 19in x 29in	2900w (200v-240v)	2/4	P, B, B	S-Blowers, S-Power
8852-4YY	30 September 2009	Rack (9U) 19in x 29in	2900w (200v-240v)	2/4	P, B, B	S-Blowers, S-Power
8852-4SY	31 March 2011	Rack (9U) 19in x 29in	2900w (200v-240v)	2/4	P, B, B	S-Blowers, S-Power
8852-4TY	30 April 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	2/4	P, B, B	S-Blowers, S-Power
8852-91Y	30 June 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	40637	P, B, B	S-Blowers, S-Power
8852-92Y	30 June 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	4/4	P, B, B	S-Blowers, S-Power
8852-93Y	30 June 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	4/4	P, B, B	S-Blowers, S-Power
8852-5TY	-	Rack (9U) 19in x 29in	2980w (200v-240v)	2/4	P, B, B	S-Blowers, S-Power
8852-94Y	30 June 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	4/4	P, B, B	S-Blowers, S-Power
8852-95Y	30 June 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	4/4	P, B, B	S-Blowers, S-Power
8852-96Y	30 June 2013	Rack (9U) 19in x 29in	2980w (200v-240v)	4/4	P, B, B	S-Blowers, S-Power

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Table 1. BladeCenter H (8852) at-a-glance (continued)

Part number1	Withdrawal date	Management Module (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Blade Bays (Total/Avail)
8852-4XY	28 November 2008	1/2	10/10	Combo2 24x / 24x / 24x / 8x	n/a	14/14
8852-4YY	30 September 2009	1/2	10/10	UltraSlim Enhanced Multi-Burner	n/a	14/14
8852-4SY	31 March 2011	1/2	10/10	n/a	n/a	14/14
8852-4TY	30 April 2013	1/2	10/10	n/a	n/a	14/14
8852-91Y	30 June 2013	2/2	10/4	IBM UltraSlim Enhanced SATA Multi-Burner	n/a	14/14
8852-92Y	30 June 2013	2/2	10/6	IBM UltraSlim Enhanced SATA Multi-Burner	n/a	14/14
8852-93Y	30 June 2013	2/2	10/4	IBM UltraSlim Enhanced SATA Multi-Burner	n/a	14/14
8852-5TY	-	1/2	10/8	Optical Blank Bezel	n/a	14/14
8852-94Y	30 June 2013	2/2	10/8	IBM UltraSlim Enhanced SATA Multi-Burner	n/a	14/14
8852-95Y	30 June 2013	2/2	10/6	IBM UltraSlim Enhanced SATA Multi-Burner	n/a	14/14
8852-96Y	30 June 2013	2/2	10/6	IBM UltraSlim Enhanced SATA Multi-Burner	n/a	14/14

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 8852-3XY is 8852-3XU. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available
- Housed in a 19in rack-mountable chassis
- The management modules for BladeCenter include KVM components.
- Only the read function is supported on the Combo2 drive.
- Does not ship with a diskette drive.An external FDD is supported attached to one of the two front mounted USB ports.
- Supports up to 14 singlewide blade servers. Additional power supplies are required to maintain full redundancy beyond seven blade servers
- BladeCenter chassis can provide increased density per rack over standalone 1U servers by housing multiple blades in less rack space. BladeCenter solutions increase usability and reduce complexity by providing common sourcing for blade servers, cabling, cabling connections, I/O options, power modules, system management requirements (optional adapters and external cabling), external Fibre Channel storage switching and connectivity, and network management and

Table 2. BladeCenter H (8852), Blade Server support

Blade Server	Models Supported
HS12 (8028)	All Models
HS22 (7870)	All Models
7871	All Models
7872	All Models
7873	All Models
7875	All Models
8038	All Models
HS12 (8014)	All Models
HS21 (8853)	All Models
HS21 XM (7995)	All Models
HS23 (7875)	All Models
HS23E (8038)	All Models
HC10 (7996)	All Models
LS21 (7971)	All Models
LS22 (7901)	All Models
LS41 (7972)	All Models
QS21 (0792)	All Models
QS22 (0793)	All Models
LS42 (7902)	All Models

- Note:**
1. It may be necessary to upgrade to the latest firmware to support the HS22 on Blade Chassis H.

Figure 1. BladeCenter H (8852) front view

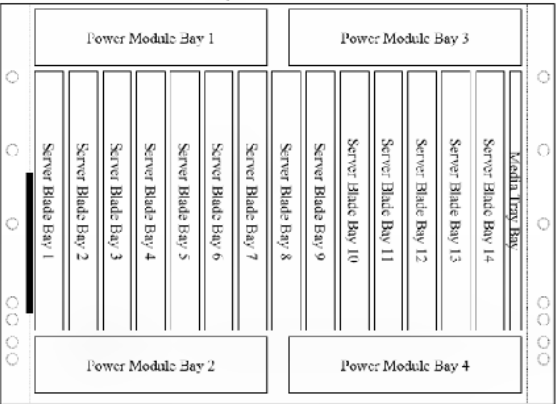
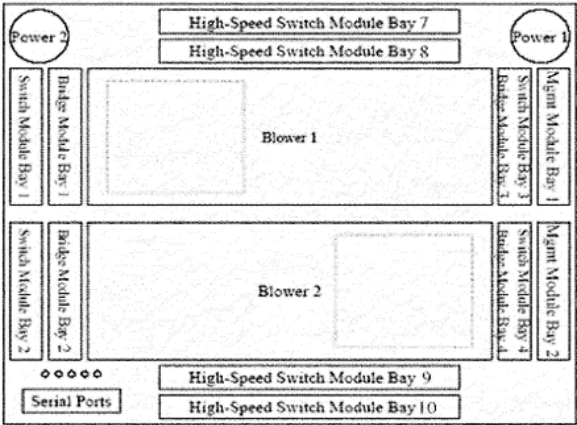


Figure 2. BladeCenter H (8852) rear view



BladeCenter H (8852)

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- At a glance
- Options

Cabling HDD I/O Pwr Acc

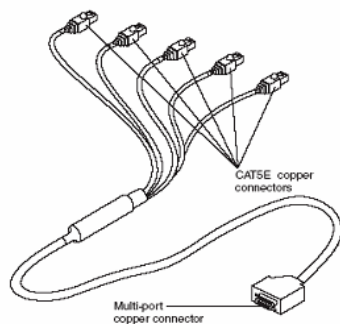
SBB number	Option number	Feature code	Description	Connection type from	Connection type to	# of Drops	Connects from	Connects to
-	39Y9170*	-	BladeCenter Copper Pass-thru Module Cable for BladeCenter	Multiport Copper	CAT 5E Copper Connections	5	CPM switch	Network
-	39Y9172*	-	BladeCenter Optical Pass-thru Module LC Cable	Multiport Optical	LC Duplex Optical Connections	4	OPM switch	SAN
-	26R0813*	-	Infiniband 4x Cable 3 meter for BladeCenter	Infiniband	4x Infiniband	1	IB 4x connector	IB Fabric
-	26R0847*	-	InfiniBand 8 meter 4x Cable for BladeCenter	Infiniband	4x Infiniband	1	IB 4x connector	IB Fabric
32R1850	26R0849	4295	InfiniBand 8 meter 12 to (3) 4x Cable for BladeCenter	Infiniband	4x Infiniband	3	IB 12x connector	IB Fabric
32R1854	26R0816*	4255	Infiniband 12x to (3) 4x Cable 3 meter for BladeCenter	Infiniband	4x Infiniband	3	IB 12x connector	IB Fabric
32R1938	32R1937*	4362	CX4 1.5 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
32R1942	32R1941*	4363	CX4 3.0 Meter Cable	CX4 Connector	CX4 Connector	1	10Gb ESM CX4 Port	Another Nortel 10Gb ESM or external 10Gb switch with CX4 ports.
39Y9173	39Y9171*	4364	BladeCenter Optical Pass-thru Module SC Cable	Multiport Optical	SC Duplex Optical Connections	4	OPM switch	SAN
40K9606	40K9605	4811	BladeCenter H Serial Port Breakout Cable	H Serial	Port Breakout	1	H Serial	Network
-	43W4378*	-	InfiniBand 10 meter 12x Cable for BladeCenter	InfiniBand Switch	4x InfiniBand	1	InfiniBand 4x connector	InfiniBand Fabric
-	43W4377*	-	InfiniBand 10 meter 4x Cable for BladeCenter	-	-	-	-	-
32R1853	26R0814*	4867	InfiniBand 4 meter 12x Cable for BladeCenter	-	-	-	-	-
43W4385	43W4379*	4869	InfiniBand 11 meter 12x to (3) 4x Cable for BladeCenter	InfiniBand Switch	4x InfiniBand	1	InfiniBand 12x connector	InfiniBand Fabric
-	39M2895	-	USB Conversion Option (UCO)	-	-	-	-	-
-	39Y8966	-	USB to PS/2 Converter Cable	-	-	-	-	-
-	73P5832	-	1.5M USB Conversion Option	-	-	-	-	-

Note:

- Provides five copper connections between the copper pass-thru module (CPM) and an external gigabit Ethernet environment. A maximum of 14 connections per CPM is supported. One CPM cable ships with the CPM option. Two additional cables can be installed.

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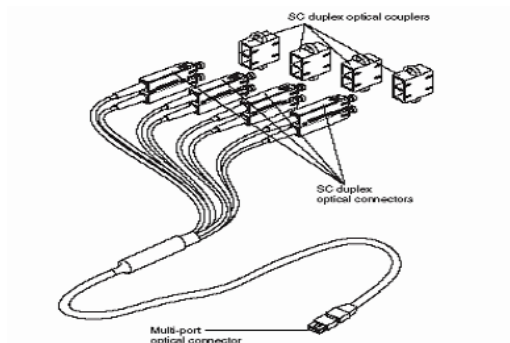
Figure 1. BladeCenter Copper Pass-thru Module Cable



Note:

1. This BladeCenter option provides connection between the copper pass-thru module and an external environment. This cable allows up to five copper connections to blade servers. One of these cables included with each copper pass-thru module. Cable is 3.1m(9.4ft) in length.

Figure 2. BladeCenter Optical Pass-thru Module SC Cable (1.5M)



Note:

1. The cable above provides connection between the Optical Pass-thru Module and an external environment. This 1.5 m cable presents four SC connections.

Figure 3. InfiniBand 12x to (3) 4x Cable 3 meter for BladeCenter

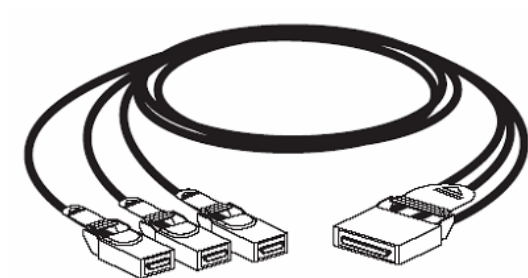


Figure 4. InfiniBand 4x Cable 3 meter for BladeCenter

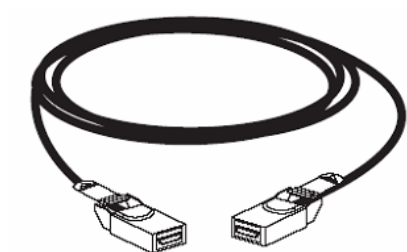
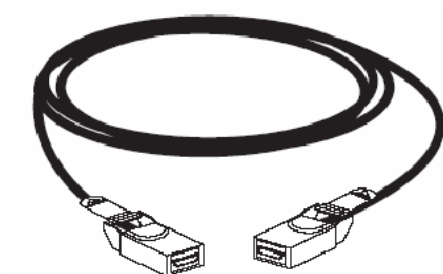


Figure 5. CX4 1.5 or 3.0 meter Cable for BladeCenter (Connector color is Gray)





BladeCenter H (8852)

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- At a glance
- Options

Cabling **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
Optical drives						
44W3253	-	4163	UltraSlim Enhanced SATA Multi-Burner	-	-	-
44W3251	-	4161	UltraSlim Enhanced SATA DVD-ROM	-	-	-
Associated HDD Options						
-	40K1692*	-	IBM External USB Floppy Drive	-	-	-
-	22P7196	-	IBM Portable 40GB USB 2.0 Hard Drive with Rescue and Recovery	-	-	-
-	05K9276	-	IBM USB Portable Diskette Drive	-	-	-

Note:
1. Only the read function is supported on the Combo II drive.

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* Lenovo has withdrawn this product from marketing.

BladeCenter H (8852)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Cabling HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Form Factor	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options							
-	46C9272*	-	Cisco Catalyst Switch Module 3012 for BladeCenter	-	-	-	-
-	46C9270*	-	Cisco Nexus 4001i Switch Module for BladeCenter	-	-	-	-
-	44E5696*	-	Cisco 4Gb FC 20 Port Switch for BladeCenter	-	-	-	-
-	44E5692*	-	Cisco 4Gb FC 10 Port Switch for BladeCenter	-	-	-	-
-	00Y3254*	-	Cisco Catalyst Switch Module 3110G for BladeCenter	-	-	-	-
-	00Y3250*	-	Cisco Catalyst Switch Module 3110X for BladeCenter	-	-	-	-
Networking							
-	73P9057*	-	Nortel Networks Layer 2-7 Gb Ethernet Switch Module	-	Bay 1,2,3,4	Y	4
-	39Y9320*	-	BladeCenter Copper Pass-thru Module for BladeCenter	-	Bay 1,2,3,4, 7left, 9 left, 7Right, 9Right	Y	8
-	39Y9316*	-	BladeCenter Optical Pass-thru Module for BladeCenters6,9	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
-	32R1905*	-	McData 4Gb 10-port Fibre Channel Switch Module for eServer1	StFF	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	32R1904*	-	QLogic 4Gb 10-port Fibre Channel Switch Module for eServer	-	Bay 3,4, 7 Right, 9 Right	Y	4
-	32R1892*	-	Cisco Systems Intelligent Gb Ethrnt Sw Mod for BladeCenter	-	Bay 1,2,3,4, 7Right, 9Right, 7Left, 9Left	Y	8
-	32R1888*	-	Cisco Systems Fiber Intelligent Gb Ethrnt Sw Mod for BladeCenter	-	Bay 1,2,3,4, 7Right, 9Right, 7Left, 9Left	Y	8
-	32R1859*	-	BladeCenter Layer 2-7 Gigabit Ethernet Switch Module6,8	StFF	Bay 1,2,3,4	Y	4
-	32R1833*	-	McDATA 4Gb 20-port Fibre Channel Module for eServer BladeCenter1	StFF	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	32R1813*	-	Brocade 4Gb 10-port SAN Switch Module for BladeCenter1,2,3	StFF	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	32R1812*	-	Brocade 4Gb 20-port SAN Switch Module for BladeCenter	-	Bay 3,4, 7 Right, 9 Right	Y	4
-	32R1783*	-	Nortel 10Gb Uplink Ethernet Switch Module for BladeCenter	-	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
-	32R1756*	-	Cisco Systems 4X InfiniBand switch module for BladeCenter4,7,8,12	-	Bay 7,9	Y	2
-	26R0881*	-	QLogic 4Gb 20-port Fibre Chan Switch Module for eServer1,2,3	StFF	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	26K6531*	-	Nortel L2/3 Fiber GbESM for BladeCenter	-	Bay 1,2,3,4	Y	4
-	26K6530*	-	Nortel L2/3 Copper GbESM for BladeCenter	-	Bay 1,2,3,4	Y	4
-	26K6454*	-	Topspin InfiniBand switch module for BladeCenter	-	Bay 3,4	Y	2
-	13N2281*	-	Cisco Systems Intelligent Gb Ethernet Switch Module	-	Bay 1,2,3,4, 7left / 9 left, 7Right, 9Right	Y	8
32R1863	32R1860	1495	BladeCenter Layer 2/3 Copper Gb Ethernet Switch Modules6	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8

32R1864	32R1861	1496	BladeCenter Layer 2/3 Fiber Gb Ethernet Switch Modules	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
32R1901	32R1900*	1499	Cisco Systems InfiniBand switch module for BladeCenter	-	Bay 3,4	Y	2
39Y9325	39Y9324	1484	Server Connectivity Module for BladeCenters	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
-	90P0165*	-	Brocade Enterprise SAN Switch Module	-	Bay 3,4	Y	2
-	26K6547	-	Cisco Fiber GbESM for BladeCenter	-	Bay 1,2,3,4	Y	4
-	39Y9211*	-	QLogic Infiniband Fibre Bridge Module for BladeCenter	-	Bay 1,3	Y	2
-	39Y9207*	-	QLogic Infiniband Ethernet Bridge Module for BladeCenter	-	Bay 1,3	Y	2
-	39Y9267*	-	BNT 6-port 10Gb Ethernet Switch Module for BladeCenter4,8,12	StFF	Bay HSSM 7,8,9,10	Y	4
-	39Y9284*	-	Cisco Systems 4Gb 10-port Fibre Channel Modules	-	Bay 3,4 and MSIM 7 Right, 9 Right	N	4
-	39Y9280*	-	Cisco Systems 4Gb 20-port Fibre Channel Module	-	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	43W6725*	-	Qlogic 20-port 4Gb SAN Switch Module for BladeCenter	StFF	Bay 3,4,8,10	Y	4
-	43W6724*	-	Qlogic 10-port 4Gb SAN Switch Module	StFF	Bay 3,4, 7 Right, 9 Right	N	4
-	43W6723*	-	QLogic 4Gb Intelligent Pass-thru Module11	StFF	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
39Y9194	39Y9195	2980	BladeCenter SAS Connectivity Module4,5,8	-	Bay 3,4	Y	2
-	43W4419*	-	4X InfiniBand Pass-thru Module for BladeCenter12	-	Bay 3,4	Y	2
44E5158	-	1465	Multi-switch Interconnect Module for BladeCenter12	-	HSSM Bay 7/8, 9/10	Y	2
-	43W4395*	-	Cisco Catalyst Switch Module 3012 for BladeCenter	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
-	41Y8523*	-	Cisco Catalyst Switch 3110G for BladeCenter10	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
-	41Y8522*	-	Cisco Catalyst Switch 3110X for BladeCenter10	StFF	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
44W4484	44W4483	5452	Intelligent Copper Pass-thru Module for BladeCenter	-	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
44W4405	44W4404	1590	BladeCenter 1/10Gb Uplink Ethernet Switch Module	-	Bay 1,2,3,4 and MSIM 7 Right, 7left, 9Right, 9Left	Y	8
-	44X1905*	-	QLogic 20-port 8Gb SAN Switch Module for BladeCenter	-	Bay 3,4 and MSIM 7 Right, 9 Right	N	4
44X1910	44X1907	5482	QLogic 8Gb Intelligent Pass-thru Module for BladeCenter11	-	Bay 3,4 and MSIM 7 Right, 9 Right	N	4
46M6182	46M6181	1641	10Gb Ethernet Pass-Thru Module for BladeCenter12	-	HSSM Bay 7,8,9,10	Y	4
-	46M6005*	-	Voltaire 40Gb InfiniBand Switch Module for BladeCenter12	-	HSSM Bay 7/8, 9/10	N	2
44X1922	44X1920	5481	Brocade 20-port 8Gb SAN Switch Module for BladeCenter	-	Bay 3,4 and MSIM 7 Right, 9 Right	N	4
44X1923	44X1921	5483	Brocade 10-port 8Gb SAN Switch Module for BladeCenter	-	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
42C1829	42C1828	5764	Brocade Enterprise 20-port 8Gb SAN Switch Module for BladeCenter	-	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	46M6071*	-	Cisco Nexus 4001I Switch Module for BladeCenter	-	Bay 7,8,9,10	N	4
49Y9989	-	1744	S/W Upgrade License for Cisco Nexus 4001I	-	-	-	-
-	46M6172*	-	QLogic Virtual Fabric Extension Module for BladeCenter	-	Bay 3,5	N	2
49Y4217	-	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-
-	69Y1909*	-	Brocade Converged 10GbE Switch Module for BladeCenter	-	HSSM Bay 7/8, 9/10	Y	2
-	88Y6410*	-	QLogic 4/8 Gb Intelligent Pass-thru Module for BladeCenter	-	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4

-	88Y6406*	-	QLogic 20-port 4/8 Gb SAN Switch Module for BladeCenter	-	Bay 3,4 and MSIM 7 Right, 9 Right	Y	4
-	39Y9314	-	Multi-Switch Interconnect Module for BladeCenters	-	Bay 1,2,3,4, 7left / 9 left, 7Right, 9Right	Y	8
-	32R1822	-	Brocade 10-port Upgrade for BladeCenter	-	-	-	-
46C7192	46C7191	1639	BladeCenter Virtual Fabric 10Gb Switch Module12	-	HSSM Bay 7,8,9,10	Y	4
Systems Management							
25R5779	-	1604	BladeCenter KVM/Advanced Management Module	-	Redundant KVM/Mgmt Module Slot	Y	1
Blade Server Expansion Cards							
-	46M6730*	-	IBM BladeCenter PCI Express Gen 2 Expansion Blade	-	Â	-	-
-	46M6772*	-	IBM BladeCenter GPU Expansion Blade with NVIDIA Tesla M2070Q	-	-	-	-
-	46M6771*	-	IBM BladeCenter GPU Expansion Blade with NVIDIA Tesla M2075	-	-	-	-
-	68Y7484	-	BladeCenter PCI Express Gen 2 Expansion Blade II	-	-	-	-
-	68Y7479*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2070Q	-	-	-	-
-	68Y7478*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2075	-	-	-	-
-	00D6881*	-	IBM BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2090	-	-	-	-
Other I/O							
-	32R1878*	-	10GbE 1310nm Fiber XFP Transceiver (LR)	-	-	-	-
-	32R1877*	-	10GbE 850nm Fiber XFP Transceiver (SR)	-	-	-	-
39Y9122	-	4299	Short Wave SFP Module	-	-	-	-
44X1968	44X1964	5075	8Gb SFP+ SW Optical Transceiver14	-	-	-	-
44X1966	-	5084	Brocade 8Gb SFP+ SW Optical Transceiver13	-	Â	-	-
81Y1621	-	3269	SFP SX Transceiver	-	-	-	-
90Y9491	-	A1PN	SFP LX Transceiver	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-
-	22R4902*	-	4 Gbps SW SFP Transceiver	-	-	-	-

Notes:

1. Mixing Ethernet (including Copper Pass-thru Module (CPM) and Fibre/SAN switches in I/O module bays 3 and 4 is not supported. However, mixing Optical Pass-thru modules (OPM) and Ethernet or Fibre/SAN switches in bays 3 and 4 is supported.
2. A short-wave or long-wave SFP Module (SBBs 39Y9122 or 41Y8599) is required for each fibre channel port connection.
3. Installs in I/O module bays 3 or 4. When installed in bay 3, port 1 is enabled on blade-installed Fibre Channel expansion cards. When installed in bay 4, port 2 is enabled on blade- installed Fibre Channel expansion cards.
4. All 4 power modules must be populated for installation.
5. The connectivity module is exclusively supported by the advanced management module. Before you configure the connectivity module, make sure the advanced management modules in your BladeCenter unit are correctly configured. For more information about the advanced management module, see the User's Guide for your advanced management module and at <http://www.ibm.com/systems/support/>
6. Maximum of four allowed and can be installed in any I/O module bay. If selected and an OPM LC Cable (P/N 39Y9172) is not selected, issue the following warning message: "A minimum of one Optical Pass-thru Module cable must be installed in each Optical Pass-thru Module to enable connectivity to your network or Storage Area Network (SAN).
7. Installs in High Speed I/O module bays 1 and/or 2. When installed in HS bay 1, port 1 is enabled on Blade- installed Cisco 4X InfiniBand HCA (P/N 32R1761). When installed in HS bay 2, port 2 is enabled.
8. The Cisco Systems 4Gb 10-port Fibre Channel Module (P/N 39Y9284), BNT 10Gb Ethernet Switch Module (P/N 39Y9267), Cisco Systems 4X InfiniBand Switch module (P/N 32R1756*), BNT Layer 2-7 Gb Ethernet Switch Module (P/N 32R1859), are not supported in the Multi-Switch Interconnect Module (SBB 39Y9314).
9. OPM provides 2Gb data rate when used with any Fibre Channel Expansion Card.
10. A transceiver must be purchased directly from Cisco, or Cisco reseller.
11. The direct connection to SAN devices is not supported. This option requires an NPIV aware external switch to operate correctly.
12. If selected, then Power Supply 3 & 4 is required.
13. Only supported for Brocade 8Gb SAN Switches (44X1920,44X1921,42C1828)
14. Only supported for QLogic 8Gb Intelligent Pass-thru Module for IBM BladeCenter (44X1907) and Qlogic 20-port 8Gb SAN Switch Module for IBM BladeCenter (44X1905)

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* Lenovo has withdrawn this product from marketing.

BladeCenter H (8852)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Cabling HDD I/O Pwr Acc

Table 1. BladeCenter Standard Power Configuration

Model	Power modules	Power cord
8852-4XY	2x 2900w	-

SBB number	Option number	Feature code	Description
Power			
-	31R3335*	-	BladeCenter H 2900W AC Power Module w/Fan Pack1
68Y6600	68Y6601	2143	BladeCenter H 2980W AC Addl Power Module for Bays 3 or 4(Qty=1)
Power Distribution Units			
32R2108	25R5785	6226	2.8m, 200-240V, Triple 16A IEC 320-C20 Power Cable
-	39Y8948	-	Enterprise C19 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2819*	-	IBM DPI C19 3 phase PDU+
-	39M2818*	-	IBM Dpi C19 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
Uninterruptible Power Supply (UPS)			
-	40K9620*	-	IBM UPS3000 Ebm
-	21304RX*	-	IBM UPS 10000Xhvv
-	24195KX*	-	IBM UPS5000 HV
-	53953JX*	-	IBM 3000VA LCD 3U Rack UPS (200V/208V)
-	46M4110	-	LCD UPS Network Management Card
-	53956KX*	-	IBM 6000VA LCD 4U Rack UPS (230V)
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
-	21303RX*	-	IBM UPS 7500Xhvv
Racks			
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack
-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack

-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	39M2894*	-	IBM Virtual Media Conversion Option (VCO)
-	17235RX*	-	IBM Rack Keyboard Tray
-	43W4391*	-	IBM BladeCenter PCI Express I/O Expansion Unit
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
Rack Console Switch			
-	31R3132*	-	3m Console Switch Cable (USB)
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	17233RX*	-	IBM 1U 15" Flat Panel Console Kit
-	40K9627*	-	Acoustic Door Kit for Enterprise Rack
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Keyboard and Mouse			
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
-	17231RX*	-	IBM 1U 17" Flat Panel console Kit w/ Optical Drive Bay
-	90P0777	-	Enhanced Performance Keyboard - USB
-	90P0743	-	Optical Wheel Mouse - USB
-	90P0726	-	C170 17" CRT Monitor
-	90P0721	-	L170p 17" TFT Monitor (Hybrid)
-	90P0717	-	IBM L150p 15" TFT Monitor (Hybrid)
-	39M7228	-	IBM USB UltraNav Keyboard - USB
-	17232UX	-	2U 15" Monitor (with PS/2 Based U.S. Travel Keyboard)
-	17232NX	-	2U 15" Monitor (without keyboard)
-	17231UX	-	1U 17" Flat Panel Monitor Console Kit w/ US keyboard
-	17231NX	-	1U 17" Flat Panel Monitor Console Kit w/o keyboard
-	17231JX	-	1U 17" Monitor (With Japanese Travel Keyboard)
Associated Options			
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
-	68Y6650	-	BladeCenter H enhanced cooling modules
-	2018	-	IBM 11U Office Enablement Kit
Fiber Cables			
13N1942	-	3703	1m LC-LC Fiber Cable
13N1943	-	3704	5m LC-LC Fiber Cable

13N1944	-	3705	25m LC-LC Fiber Cable
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
40K9806	-	3702	25m LC-LC Fiber Cable (networking)
44R8702	-	3855	0.2m LC(female) - SC(male) Fiber Cable
00KF043	-	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	-	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	-	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	-	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	-	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	-	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Line Cords			
32R2109	25R5783	6270	4.3m, 208V, Double 30A NEMA L6-30P (US) Line Cord
32R2110	25R5784	6271	4.3, 230V, Dual 32A IEC 309 P+N+G / 16A IEC 320-C20 Line Cord

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* Lenovo has withdrawn this product from marketing.

BladeCenter HS23 (7875)

Attention:

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- At a glance
- Options

Table 1. BladeCenter HS23 (7875) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	System Mgmt Processor	Integrated Ethernet
7875-91Y	31 March 2013	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	2/2	8X8GB	y	1Gb
7875-92Y	31 March 2013	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	2/2	8X8GB	y	1Gb
7875-A1Y	30 June 2014	Intel Xeon Processor E5-2603 4C 1.8GHz 10MB Cache 1066MHz 80W	1/2	1X4GB	Y	1Gb
7875-A2Y	30 June 2014	Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	1/2	4X4GB	Y	1Gb
7875-B1Y	-	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	4X4GB	Y	1Gb
7875-B2Y	30 June 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	4X4GB	Y	1Gb
7875-B3Y	30 June 2014	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	4X4GB	Y	1Gb
7875-C1Y	30 June 2014	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	4X4GB	Y	1Gb
7875-C2Y	31 December 2012	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	4X4GB	Y	1Gb
7875-C3Y	30 June 2014	Intel Xeon Processor E5-2665 8C 2.4GHz 20MB Cache 1600MHz 115W	1/2	4X4GB	Y	1Gb
7875-C4Y	30 June 2014	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	4X4GB	y	1Gb
7875-C5Y	31 December 2012	Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	1/2	4X4GB	y	1Gb
7875-D1Y	30 June 2014	Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB Cache 1600MHz 70W	1/2	4X4GB	Y	1Gb
7875-E1Y	30 April 2013	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	2/2	8X4GB	y	1Gb
7875-E2Y	30 April 2013	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	2/2	8X8GB	y	1Gb
7875-E3Y	30 April 2013	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	2/2	8X8GB	y	1Gb
7875-F1Y	-	Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB Cache 1600MHz 70W	1/2	4X4GB	Y	1Gb
7875-G1Y	30 June 2014	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	4X4GB	y	1Gb
7875-G2Y	30 June 2014	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	4X4GB	y	1Gb
7875-93Y	31 December 2013	Intel Xeon Processor E5-2650 8C 2. 20MB Cache 1600MHz 95W0GHz	2/2	16X8GB	y	1Gb
7875-E5Y	30 June 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	2/2	4X8GB	y	1Gb
7875-E6Y	30 June 2014	Intel Xeon Processor E5-2650 8C 2. 20MB Cache 1600MHz 95W0GHz	2/2	87X8GB	y	1Gb
7875-A3Y	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-A4Y	-	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-B4Y	-	ntel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-B5Y	-	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-B6Y	-	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-C9Y	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-CAY	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-CBY	-	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-CCY	-	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-D2Y	-	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHz 70W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-E7Y3	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	2/2	2(x8GB, 2Rx8GB	y	1Gb
7875-E8Y3	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	2/2	8(x8GB, 2Rx8GB	y	1Gb
7875-E9Y3	-	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	2/2	8(x8GB, 2Rx8GB	y	1Gb

7875-F2Y	-	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHz 130W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-G3Y	-	Intel Xeon Processor E5-2628L v2 8C 2.2GHz 20MB Cache 1600MHz 70W	1/2	(1x8GB, 2Rx8GB	y	1Gb
7875-G4Y	-	Intel Xeon Processor E5-2658 v2 10C 2.4GHz 25MB Cache 1866MHz 95W	1/2	4(x8GB, 2Rx8GB	y	1Gb

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Table 1. BladeCenter HS23 (7875) at-a-glance (continued)

Part number1	Withdrawal date2	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
7875-91Y	31 March 2013	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-92Y	31 March 2013	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-A1Y	30 June 2014	SAS/SATA	HotSwap	0GB/2000GB	0/2	0/2
7875-A2Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-B1Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-B2Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-B3Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-C1Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-C2Y	31 December 2012	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-C3Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-C4Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-C5Y	31 December 2012	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-D1Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E1Y	30 April 2013	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E2Y	30 April 2013	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E3Y	30 April 2013	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-F1Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-G1Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-G2Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-93Y	31 December 2013	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E5Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E6Y	30 June 2014	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-A3Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-A4Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-B4Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-B5Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-B6Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-C9Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-CAY	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-CBY	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-CCY	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-D2Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E7Y3	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E8Y3	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-E9Y3	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-F2Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-G3Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2
7875-G4Y	-	SAS/SATA	Hot-swap	0GB/2000GB	0/2	0/2

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U. S. orderable part number for 7875-91Y is 7875-91U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
3. TopSeller model.

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
81Y9309	-	A1S6	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	B1Y
94Y8561	-	A23R	Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB Cache 1600MHz 70W	F1Y
94Y8564	-	A23S	Intel Xeon Processor E5-2658 8C 2.1GHz 20MB Cache 1600MHz 95W	-
94Y5284	-	A4UR	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHz 80W	A4Y
94Y5285	-	A4US	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHz 80W	A3Y
94Y5286	-	A4UU	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	E7Y,B4Y
94Y5287	-	A4UW	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHz 80W	B5Y
94Y5288	-	A4UZ	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHz 95W	B6Y
94Y5289	-	A4V2	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHz 95W	C9Y,E8Y
94Y5290	-	A4V5	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	CAY
94Y5291	-	A4V6	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHz 115W	CBY,E9Y
94Y5292	-	A4V7	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	CCY
94Y5293	-	A4V8	Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 1866MHz 130W	-
94Y5295	-	A4UY	Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB Cache 1866MHz 130W	-
94Y5298	-	A4UX	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 1600MHz 60W	-
94Y5299	-	A4V3	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHz 70W	D2Y
94Y5300	-	A4V9	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 1866MHz 115W	-
94Y5301	-	A4VA	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHz 130W	F2Y
94Y5302	-	A4UT	Intel Xeon Processor E5-2618L v2 6C 2.0GHz 15MB Cache 1333MHz 50W	-
94Y5303	-	A4UV	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB Cache 1600MHz 70W	G3Y
94Y5305	-	A4V1	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB Cache 1866MHz 70W	-
94Y5306	-	A4V4	Intel Xeon Processor E5-2658 v2 10C 2.4GHz 25MB Cache 1866MHz 95W	G4Y
Additional processor				
-	94Y8671*	-	Addl Intel Xeon Processor E5-2665 8C 2.4GHz 20MB Cache 1600MHz 115W	-
-	94Y8589*	-	Addl Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	-
-	94Y8572*	-	Addl Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	E2Y
-	94Y8571*	-	Addl Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	-
-	94Y8570*	-	Addl Intel Xeon Processor E5-2637 2C 3.0GHz 5MB Cache 1600MHz 80W	-
-	81Y9305*	-	Addl Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB Cache 1600MHz 70W	-
-	81Y9304*	-	Addl Intel Xeon Processor E5-2630L 6C 2.0GHz 15MB Cache 1333MHz 60W	-
-	81Y9302*	-	Addl Intel Xeon Processor E5-2667 6C 2.9GHz 15MB Cache 1600MHz 130W	-
-	81Y9300*	-	Addl Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	-
-	81Y9299*	-	Addl Intel Xeon Processor E5-2660 8C 2.2GHz 20MB Cache 1600MHz 95W	-
-	81Y9298*	-	Addl Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	-
-	81Y9294*	-	Addl Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	-
-	81Y9292*	-	Addl Intel Xeon Processor E5-2603 4C 1.8GHz 10MB Cache 1066MHz 80W	E1Y
81Y9407	81Y9295	A1SL	Addl Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	-
94Y8580	94Y8565	A23Z	Addl Intel Xeon Processor E5-2658 8C 2.1GHz 20MB Cache 1600MHz 95W	-
94Y8581	94Y8562	A240	Addl Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB Cache 1600MHz 70W	-
-	46C9206*	-	Addl Intel Xeon Processor E5-2643 4C 3.3GHz 10MB Cache 1600MHz 130W	-
94Y5308	94Y5260	A4T5	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB 1333MHz 80W	-
94Y5309	94Y5261	A4SU	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB 1333MHz 80W	-

94Y5310	94Y5262	A4SV	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB 1600MHz 80W	-
94Y5311	94Y5263	A4SW	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB 1600MHz 80W	-
94Y5312	94Y5264	A4SX	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB 1600MHz 95W	-
94Y5313	94Y5265	A4SY	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB 1866MHz 95W	-
94Y5314	94Y5266	A4SZ	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB 1866MHz 95W	-
94Y5315	94Y5267	A4T0	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB 1866MHz 115W	-
94Y5316	94Y5268	A4T1	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB 1866MHz 115W	-
94Y5317	94Y5269	A4T2	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB 1866MHz 130W	-
94Y5319	94Y5271	A4T3	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB 1866MHz 130W	-
94Y5322	94Y5274	A4SL	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB 1600MHz 60W	-
94Y5323	94Y5275	A4SM	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB 1600MHz 70W	-
94Y5324	94Y5276	A4SN	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB 1866MHz 115W	-
94Y5325	94Y5277	A4SP	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB 1866MHz 130W	-
94Y5326	94Y5278	A4SQ	Addl Intel Xeon Processor E5-2618L v2 6C 2.0GHz 15MB 1333MHz 50W	-
94Y5327	94Y5279	A4SR	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHz 70W	-
94Y5329	94Y5281	A4SS	Addl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB 1866MHz 70W	-
94Y5330	94Y5282	A4ST	Addl Intel Xeon Processor E5-2658 v2 10C 2.4GHz 25MB 1866MHz 95W	-

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* Lenovo has withdrawn this product from marketing.

BladeCenter HS23 (7875)

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- At a glance
- Options

Processor **Memory** HDD I/O

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	46C0568*	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
49Y1527	46C0599	2422	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
46C0551	46C0563*	A0WY	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
46C0552	46C0564	A0WZ	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
-	90Y3149*	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
-	90Y3147*	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
90Y3145	90Y3148	A1S1	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
-	46C0560*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
-	00D4993*	-	8GB (1x8GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
-	00D4989*	-	8GB (1x8GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
00D4980	00D4981	A3BT	8GB (1x8GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
00D4984	00D4985	A3BU	8GB (1x8GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
90Y3156	90Y3157	A3BS	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
00D5007	00D5008	A3KN	32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
-	46W0696*	-	8GB (1x8GB, 1Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz VLP RDIMM
-	46W0684*	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
46W0687	46W0688	A4G0	4GB (1x4GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz VLP RDIMM
46W0691	46W0692	A4FW	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
46W0699	46W0700	A4FX	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
46W0703	46W0704	A4G2	8GB (1x8GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz VLP RDIMM
46W0707	46W0708	A4FY	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
46W0711	46W0712	A4G3	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz VLP RDIMM
46W0715	46W0716	A4G9	16GB (1x16GB, 2Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHz VLP RDIMM

Notes:

- DIMM speed will not be faster than the DDR3 bus speed of the CPU.
- DIMMs of differing speeds will work together, but will operate at the speed of the slowest DIMM.
- A filler is never needed in DIMM slots 3 to 12 inclusive.
- DIMM slots 1,2 and 13 to 16 inclusive must be occupied by either a DIMM or a DIMM filler.

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Figure 1. Memory logical connections

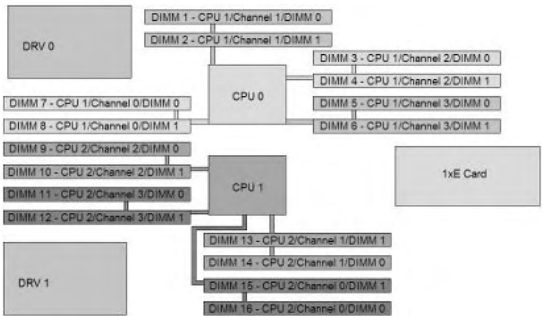


Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A1Y	1 x 4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
A2Y, B1Y, B2Y, B3Y, D1Y, F1Y, G1	4 x 4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
91Y	16X8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
E1Y	8X8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz VLP RDIMM
C1Y, C2Y, C3Y, C4Y, C5Y, G2Y	4X4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
92Y	16X8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM
E3Y	8X8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz VLP RDIMM

Table 2. DIMM Install Order

CPU	Slot
CPU #1	1,7,3,5,2,8,4,6
CPU #2	1,16,7,14,3,9,5,11,2,15,8,13,4,10,6,12

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- At a glance
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Processor Memory **HDD** I/O

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	42D0677*	-	146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	1,2	2
-	42D0637*	-	300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	1,2	2
-	42D0707*	-	500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	SFF	1,2	2
-	49Y2003*	-	600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	1,2	2
81Y9692	81Y9690	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	1,2	2
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	1,2	2
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	1,2	2
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	1,2	2
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	1,2	2
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	1,2	2
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	1,2	2
00AD077	00AD075	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	1,2	2
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	1,2	2
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	1,2	2
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	1,2	2
00AJ302	00AJ300	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	1,2	2
00NA443	-	ASCD	1.8TB 10K 6Gbps SAS 2.5" G2HS 512e HDD	SFF	1,2	2
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	49Y6129	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	1,2	2
49Y6136	49Y6134	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	1,2	2
49Y6141	49Y6139	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	1,2	2
49Y6197	49Y6195	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	1,2	2
SATA Hot-Swap 2.5" HDDs						
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	1,2	2
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	1,2	2
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	1,2	2
SATA Hot-Swap 2.5" Solid State Drives						
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	1,2	2
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	1,2	2
41Y8333	41Y8331	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	1,2	2
41Y8338	41Y8336	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	1,2	2
41Y8343	41Y8341	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	1,2	2
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00AJ007	00AJ005	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00AJ012	00AJ010	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00AJ017	00AJ015	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00AJ357	00AJ355	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00AJ362	00AJ360	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2

00AJ367	00AJ365	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00AJ372	00AJ370	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
00FN329	-	AS0E	480GB SATA 2.5" MLC HS Entry SSD	SFF	1,2	2
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1,2	2
Associated HDD Options						
-	49Y3234	-	BladeCenter S 12-Disk Storage Module	-	-	-
External storage expansion units						
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-
-	174724X*	-	IBM System Storage EXP2524 Express Storage Enclosure	-	-	-
-	174712X*	-	IBM System Storage EXP2512 Express Storage Enclosure	-	-	-

- Notes:**
- 1. SAS and SATA rotational drives may be mixed if the drives are not part of a RAID configuration.
 - 2. SATA rotational and SATA solid-state drives (SSD) may be mixed if the drives are not part of a RAID configuration.
 - 3. SAS rotational and SATA solid-state drives (SSD) may not be mixed.

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* Lenovo has withdrawn this product from marketing.

BladeCenter HS23 (7875)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	46M0878*	-	320GB High IOPS SD Class SSD PCIe Adapter	HALF	PCIe 4x	1,2	N	8
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	HALF	PCIe 4x	3	N	4
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	HALF	PCIe 4x	3,4	N	8
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	HALF	PCIe 4x	3,4	N	8
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	HALF	PCIe 4x	3,4	N	8
-	90Y4373*	-	300GB High IOPS SLC Modular Adapter	HALF	PCIe 4x	1,2	N	8
-	90Y4369*	-	800GB High IOPS MLC Modular Adapter	HALF	PCIe 4x	1,2	N	8
-	90Y4365*	-	600GB High IOPS MLC Modular Adapter	HALF	PCIe 4x	1,2	N	8
-	90Y4361*	-	300GB High IOPS MLC Modular Adapter	HALF	PCIe 4x	1,2	N	8
00AE984	-	ARYK	1250GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	3,4	N	8
00AE987	-	ARYL	1600GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	3,4	N	8
00AE990	-	ARYM	3200GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	3,4	N	8
00AE993	-	ARYN	6400GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	3	N	4
00AE996	-	ARYP	1000GB Enterprise io3 Flash Adapter	HALF	PCIe x8	3,4	N	8
00AE999	-	ARYQ	1300GB Enterprise io3 Flash Adapter	HALF	PCIe x8	3,4	N	8
00JY002	-	ARYR	2600GB Enterprise io3 Flash Adapter	HALF	PCIe x8	3,4	N	8
00JY005	-	ARYS	5200GB Enterprise io3 Flash Adapter	HALF	PCIe x8	3	N	4
-	172642X*	-	IBM System Storage DS3400 FC Dual Controller	-	-	-	-	-
-	172641X*	-	IBM System Storage DS3400 FC Single Controller	-	-	-	-	-
-	172622X*	-	IBM System Storage DS3200 SAS Dual Controller	-	-	-	-	-
-	172621X*	-	IBM System Storage DS3200 SAS Single Controller	-	-	-	-	-
-	172632X*	-	IBM System Storage DS3300 iSCSI Dual Controller Model	-	-	-	-	-
-	172631X*	-	IBM System Storage DS3300 iSCSI Single Controller Model	-	-	-	-	-
Networking								
44W4480	44W4479	5476	2/4 Port Ethernet Expansion Card (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	44X1940*	-	QLogic Eth and 8Gb Fibre Channel Exp Card (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	46M6065*	-	QLogic 4Gb Fibre Channel Expansion Card (CIOv) for BladeCenter	CIOv	PCIe 8x	1	-	1
44W4476	44W4475	5477	Ethernet Expansion Card (CIOv) for BladeCenter	CIOv	PCIe 8x	1	-	1
46C5070	43W4068	1593	SAS Connectivity Card (CIOv) for BladeCenter	CIOv	PCIe 8x	1	-	1
-	42C1830*	-	QLogic 2-pt 10Gb Converged Network Adapter(CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
44X1946	44X1945	1462	Qlogic 8Gb Fibre Channel Expansion Card (CIOv) for BladeCenter	CIOv	PCIe 8x	1	-	1
46M6141	46M6140	3598	Emulex 8Gb Fibre Channel Expansion Card (CIOv) for BladeCenter	CIOv	PCIe	1	-	1
-	46M6001*	-	2-port 40Gb InfiniBand Expansion Card (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	46M6168*	-	Broadcom 10Gb Gen2 2-port Ethernet Exp Cd (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	46M6164*	-	Broadcom 10Gb Gen2 4-port Ethernet Exp Cd (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	42C1810*	-	Intel 10Gb 2-port Ethernet Expansion Card (CFFh) for BladeCenter	CFFh	PCIe	2,5	-	1
-	81Y1650*	-	Brocade 2 port 10GbE Converged Network Adapter for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	90Y3570*	-	Mellanox 2-port 10Gb Enet Expansion Card (CFFh) - BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	81Y3133*	-	Broadcom 2-port 10Gb Virtual Fabric Adapter for BladeCenter	CFFh	PCI-E 8x	2,5	-	1
81Y3123	81Y3120	A287	Emulex 10GbE VFA II for BladeCenter HS23	CFFh	PCIe	2	-	1

90Y9333	90Y9332	A2ZN	Emulex 10GbE VFA Advanced II for BladeCenter HS23	CFFh	PCIe	2	-	1
-	00Y3280*	-	QLogic 2-port 10Gb CNA (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
00Y3271	00Y3270	A3JC	QLogic Enet and 8Gb FC Exp Card (CFFh) for BladeCenter	CFFh	PCIe 16x	2,5	-	1
-	00Y5618*	-	QLogic 10Gb Virtual Fabric Advanced CNA for BladeCenter	CFFh	PCIe	2,5	-	1
-	00Y3332*	-	QLogic 10Gb Virtual Fabric Adapter for BladeCenter	CFFh	PCIe	2,5	-	1
00Y5623	00Y5622*	A4AE	QLogic 10Gb Virtual Fabric Advanced FoD Upgrade for BladeCenter	-	-	-	-	-
Blade Server Expansion Cards								
-	68Y7479*	-	BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2070Q	-	-	-	-	-
-	68Y7478*	-	BladeCenter GPU Expansion Blade II with NVIDIA Tesla M2075	-	-	-	-	-
68Y7485	68Y7484	A247	BladeCenter PCI Express Gen 2 Expansion Blade II	-	-	-	-	-
Other I/O								
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
90Y9311	90Y9310	A2TD	Virtual Fabric Advanced Software Upgrade (LOM)	-	-	-	-	-
90Y9351	90Y9350	A2ZP	Virtual Fabric Advanced FOD Upgrade for BladeCenter HS23	-	-	-	-	-
-	41Y8307*	-	USB Memory Key for VMWare ESXi 5.0 Update1	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
Interposer Cards								
81Y9369	94Y8550	A244	10Gb Interposer Card for BladeCenter HS23	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Slot 1 - Blade Serer CIOv slot	PCIe 8x	-	-	-	-	-	-
Slot 2 - Blade High Speed slot	PCIe 16 x	-	-	-	-	-	-
Slot 3 - PEU-3e	PCIe 8x	-	-	-	-	-	-
Slot 4 - PEU-3e	PCIe 8x	-	-	-	-	-	-
Slot 5 - Gen 2 Exp Blade	PCIe 16x	-	-	-	-	-	-

* Lenovo has withdrawn this product from marketing.

Flex System Carrier-Grade Chassis (7385)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. Flex System Carrier-Grade Chassis (7385) at-a-glance

Part number1	Withdrawal date	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord)	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
7385-DCY	-	Rack (11U) 17.6in x 31.5in	2500W (~48V DC)	2 / 6	P,B,F	O - Power O - Fans

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Table 1. Flex System Carrier-Grade Chassis (7385) at-a-glance (continued)

Part number1	Withdrawal date	Management Module (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Blade Bays (Total/Avail)
7385-DCY	-	1 / 2	0 / 4	N/A	N/A	14 / 14

Note:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7385-DCY is 7385-DCU. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.

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Flex System Carrier-Grade Chassis (7385)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Networking								
49Y4297	49Y4294	A0TF	Lenovo Flex System EN2092 1Gb Ethernet Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
88Y6375	88Y6374	A1EH	Lenovo Flex System FC5022 16Gb SAN Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
90Y9357	90Y9356	A2RQ	Lenovo Flex System FC5022 24-port 16Gb ESB SAN Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00Y3325	00Y3324	A3DP	Lenovo Flex System FC5022 24-port 16Gb SAN Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
-	00Y3320*	-	Flex System FC5022 16Gb Fabric Watch Upgrade	-	-	-	-	-
00D5846	00D5845	A3HL	Flex System Fabric CN4093 Converged Scalable Switch (Upgrade 1)	-	-	-	-	-
00D5848	00D5847	A3HM	Flex System Fabric CN4093 Converged Scalable Switch (Upgrade 2)	-	-	-	-	-
00Y3323	00Y3322	A3HP	Flex System FC5022 16Gb ISL/Trunking Upgrade	-	-	-	-	-
88Y6383	88Y6382	A1EP	Flex System FC5022 16Gb SAN Scalable Switch (Upgrade 1)	-	-	-	-	-
88Y6387	88Y6386	A1EQ	Flex System FC5022 16Gb SAN Scalable Switch (Upgrade 2)	-	-	-	-	-
00VX185	-	AT45	Lenovo 10GBASE-SR SFP+ Transceiver (85Â°C)	-	-	-	-	-
Other I/O								
81Y1621	-	3269	SFP SX Transceiver	-	-	-	-	-
90Y9491	-	A1PN	SFP LX Transceiver	-	-	-	-	-
81Y5289	-	A1NF	Flex System Console Breakout Cable	-	-	-	-	-
88Y6394	-	A22R	Brocade 16Gb SFP+ Optical Transceiver	-	-	-	-	-
88Y6417	-	A2B9	Brocade 8Gb SFP+ Optical Transceiver	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00JX972	00FJ669	ASQ8	Lenovo Flex System Redundant Chassis Management Module 2	CME	n/a	CME Bay 2	Y	1
00MY238	00FM514	ASUU	Lenovo Flex System Fabric EN4093R 10Gb Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00MY239	00FM510	ASUT	Lenovo Flex System Fabric CN4093 10Gb Converged Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00NU536	-	AT2Q	Lenovo 10GBASE-SR SFP+ Transceiver (85Â°C)	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
90Y9489	-	A1PM	SFP+ LR Transceiver	-	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

Flex System Carrier-Grade Chassis (7385)

Attention:

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At a glance			
Options			
I/O Pwr Acc			
SBB number	Option number	Feature code	Description
Power			
40K8932	-	3791	0.6m Yellow Cat5e Cable
40K8936	-	3803	3m Blue Cat5e Cable
40K8941	-	3795	25m Yellow Cat5e Cable
00FJ637	-	A5VC	Flex System Enterprise Chassis -48V DC 2500W Power Module
Keyboard and Mouse			
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
Associated Options			
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
Fiber Cables			
13N1942	-	3703	1m LC-LC Fiber Cable
13N1943	-	3704	5m LC-LC Fiber Cable
13N1944	-	3705	25m LC-LC Fiber Cable
40K9804	-	3700	1m LC-LC Fiber Cable (networking)
40K9805	-	3701	5m LC-LC Fiber Cable (networking)
40K9806	-	3702	25m LC-LC Fiber Cable (networking)

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Flex System Enterprise Chassis (8721)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. Flex System Enterprise Chassis (8721) at-a-glance

Part number1	Withdrawal date4	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord)	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
8721-A1Y	30 June 2015	Rack (10U) 17.6in x 31.5in	2500w (200VAC)	2/6	P,B,F	O - Power O - Fans
8721-LRY	30 June 2015	Rack (10U) 17.6in x 31.5in	2100w (200VAC)	2/6	P,B,F	O - Power O - Fans
8721-DCY	30 June 2015	Rack (10U) 17.6in x 31.5in	2500w (-48VDC)	2/6	P,B,F	O - Power O - Fans
8721-E1Y	30 June 2015	Rack (10U) 17.6in x 31.5in	2500w (200VAC)	6/6	P,B,F	O - Power O - Fans
8721-E2Y	30 June 2015	Rack (10U) 17.6in x 31.5in	2500w (200VAC)	6/6	P,B,F	O - Power O - Fans
8721-ALY	-	Rack (10U) 17.6in x 31.5in	2500w (200VAC)	2/6	P,B,F	O - Power O - Fans
8721-DLY	-	Rack (10U) 17.6in x 31.5in	2500w (-48VDC)	2/6	P,B,F	O - Power O - Fans
8721-E3Y4	-	Rack (10U) 17.6in x 31.5in	2500w (200VAC)	2/6	P,B,F	O - Power O - Fans
8721-E4Y4	-	Rack (10U) 17.6in x 31.5in	2500w (200VAC)	2/6	P,B,F	O - Power O - Fans

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Table 1. Flex System Enterprise Chassis (8721) at-a-glance (continued)

Part number1	Withdrawal date4	Management Module (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Node Bays (Total/Avail)
8721-A1Y	30 June 2015	1/2	4/4	N/A	N/A	14/14
8721-LRY	30 June 2015	1/2	4/4	N/A	N/A	14/14
8721-DCY	30 June 2015	1/2	4/4	N/A	N/A	14/14
8721-E1Y	30 June 2015	2/2	2/4	N/A	N/A	14/14
8721-E2Y	30 June 2015	2/2	2/4	N/A	N/A	14/14
8721-ALY	-	2/2	0/4	N/A	N/A	14/14
8721-DLY	-	2/2	0/4	N/A	N/A	14/14
8721-E3Y4	-	2/2	2/4	N/A	N/A	14/14
8721-E4Y4	-	2/2	2/4	N/A	N/A	14/14

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 8721-A1Y is 8721-A1U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- Flex System Enterprise Chassis housed in a 10U rack mountable chassis. Supports upto 14 standard compute nodes or 7 double-wide compute nodes, and 4 scalable network I/O switch modules.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
- TopSeller model.

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Flex System Enterprise Chassis (8721)

Attention:

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- At a glance
- Options

I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Networking								
-	49Y4270*	-	Lenovo Flex System Fabric EN4093 10Gb Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
49Y4297	49Y4294	A0TF	Lenovo Flex System EN2092 1Gb Ethernet Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
69Y1931	69Y1930	A0TD	Lenovo Flex System FC3171 8Gb SAN Switch	ScSE	n/a	1, 2, 3, 4	Y	4
69Y1935	69Y1934	A0TJ	Lenovo Flex System FC3171 8Gb SAN Pass-thru	ScSE	n/a	1, 2, 3, 4	Y	4
88Y6044	88Y6043	A1QV	Lenovo Flex System EN4091 10Gb Ethernet Pass-thru	ScSE	n/a	1, 2, 3, 4	Y	4
88Y6375	88Y6374	A1EH	Lenovo Flex System FC5022 16Gb SAN Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
90Y3451	90Y3450	A1EK	Lenovo Flex System IB6131 Infiniband Switch	ScSE	n/a	1, 2, 3, 4	Y	4
90Y9357	90Y9356	A2RQ	Lenovo Flex System FC5022 24-port 16Gb ESB SAN Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00Y3325	00Y3324	A3DP	Lenovo Flex System FC5022 24-port 16Gb SAN Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
-	00Y3320*	-	Flex System FC5022 16Gb Fabric Watch Upgrade	-	-	-	-	-
00D5824	00D5823	A3HH	Flex System Fabric CN4093 10Gb Converged Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00D5846	00D5845	A3HL	Flex System Fabric CN4093 Converged Scalable Switch (Upgrade 1)	-	-	-	-	-
00D5848	00D5847	A3HM	Flex System Fabric CN4093 Converged Scalable Switch (Upgrade 2)	-	-	-	-	-
00Y3323	00Y3322	A3HP	Flex System FC5022 16Gb ISL/Trunking Upgrade	-	-	-	-	-
88Y6383	88Y6382	A1EP	Flex System FC5022 16Gb SAN Scalable Switch (Upgrade 1)	-	-	-	-	-
88Y6387	88Y6386	A1EQ	Flex System FC5022 16Gb SAN Scalable Switch (Upgrade 2)	-	-	-	-	-
95Y3310	95Y3309	A3J6	Lenovo Flex System Fabric EN4093R 10Gb Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
-	95Y3313*	-	Lenovo Flex System Fabric SI4093 System Interconnect Module	ScSE	n/a	1, 2, 3, 4	Y	4
90Y3475	90Y9346	A3HJ	Flex System EN6131 40Gb Ethernet Switch	ScSE	n/a	1, 2, 3, 4	Y	4
95Y3319	95Y3318	A45U	Flex System Fabric SI4093 System Interconnect Module (Upgrade 1)	-	-	-	-	-
95Y3321	95Y3320	A45V	Flex System Fabric SI4093 System Interconnect Module (Upgrade 2)	-	-	-	-	-
47C9966	94Y5158	ESWE	Flex System EN4023 10Gb Scalable Switch (FoD 1)	-	-	-	-	-
47C9967	94Y5159	ESWF	Flex System EN4023 10Gb Scalable Switch (FoD 2)	-	-	-	-	-
94Y5216	94Y5212	ESWD	Flex System EN4023 10Gb Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
94Y5351	94Y5350	ESWB	Cisco Nexus B22 Fabric Extender for Flex System	ScSE	n/a	1, 2, 3, 4	Y	4
94Y5356	94Y5355	ESWC	Cisco Nexus B22 Fabric Extender with FET bundle for Flex System	ScSE	n/a	1, 2, 3, 4	Y	4
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
47C9994	-	ESWG	Flex System EN4023 10Gb Scalable Switch (FoD 3)	-	-	-	-	-
00FM473	-	ASCK	8Gb SFP+ LW Optical Transceiver1	-	-	-	-	481
-	95Y2375	-	Flex System FC3052 2-port 8Gb FC Adapter	-	-	-	-	-
-	90Y3554*	-	Flex System CN4054 10Gb Virtual Fabric Adapter	-	-	-	-	-
-	90Y3466	-	Flex System EN4132 2-port 10Gb Ethernet Adapter	-	-	-	-	-
-	90Y3454	-	Flex System IB6132 2-port FDR Infiniband Adapter	-	-	-	-	-
-	88Y6370*	-	IBM Flex System FC5022 2-port 16Gb FC Adapter	-	-	-	-	-
-	69Y1938	-	Flex System FC3172 2-port 8Gb FC Adapter	-	-	-	-	-
-	49Y7900	-	Flex System EN2024 4-port 1Gb Ethernet Adapter	-	-	-	-	-
-	95Y2391	-	Flex System FC5054 4-port 16Gb FC Adapter	-	-	-	-	-
-	95Y2386	-	Flex System FC5052 2-port 16Gb FC Adapter	-	-	-	-	-
-	95Y2379*	-	Flex System FC5024D 4-port 16Gb FC Adapter	-	-	-	-	-
-	90Y3486*	-	Flex System IB6132D 2-port FDR InfiniBand Adapter	-	-	-	-	-
-	90Y3482	-	Flex System EN6132 2-port 40Gb Ethernet Adapter	-	-	-	-	-
-	69Y1942	-	Flex System FC5172 2-port 16Gb FC Adapter	-	-	-	-	-

-	88Y5920	-	Flex System CN4022 2-port 10Gb Converged Adapter	-	-	-	-	-
-	00Y3306	-	Flex System CN4054R 10Gb Virtual Fabric Adapter	-	-	-	-	-
-	00AG530	-	Flex System EN4172 2-port 10Gb Ethernet Adapter	-	-	-	-	-
-	94Y5160	-	Flex System CN4058S 8-port 10Gb Virtual Fabric Adapter	-	-	-	-	-
-	00JY800	-	Flex System CN4052 2-port 10Gb Virtual Fabric Adapter	-	-	-	-	-
Systems Management								
49Y3266	68Y7030	A0UE	Flex System Chassis Management Module	CME	n/a	CME Bay 2	Y	1
Other I/O								
-	39R6475*	-	4 Gbps SW SFP Transceiver	-	-	-	-	-
46C3446	46C3447	5053	SFP+ SR Transceiver	-	-	-	-	-
-	44W4408*	-	10GbE 850 nm Fiber SFP+ Transceiver (SR) for BladeCenter	-	-	-	-	-
44X1968	44X1964	5075	8Gb SFP+ SW Optical Transceiver	-	-	-	-	-
-	81Y1618*	-	SFP RJ45 Transceiver	-	-	-	-	-
81Y1621	81Y1622	3269	SFP SX Transceiver	-	-	-	-	-
90Y3505	49Y7884	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	49Y7886	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	49Y7890	A1DP	1m QSFP+to-QSFP+ cable	-	-	-	-	-
-	90Y3519*	-	10m QSFP+ MTP Optical cable	-	-	-	-	-
90Y9489	90Y9412	A1PM	SFP+ LR Transceiver	-	-	-	-	-
90Y9491	90Y9424	A1PN	SFP LX Transceiver	-	-	-	-	-
81Y5289	81Y5286	A1NF	Flex System Console Breakout Cable	-	-	-	-	-
88Y6394	88Y6393	A22R	Brocade 16Gb SFP+ Optical Transceiver	-	-	-	-	-
88Y6417	88Y6416	A2B9	Brocade 8Gb SFP+ Optical Transceiver	-	-	-	-	-
-	95Y0329*	-	5m Active DAC SFP+ Cable	-	-	-	-	-
-	95Y0326*	-	3m Active DAC SFP+ Cable	-	-	-	-	-
-	95Y0323*	-	1m Active DAC SFP+ Cable	-	-	-	-	-
00W0068	-	A2YL	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	-	-	-	-	-
00AY768	00AY764	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	00AY765	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00FE328	00FE327	ARZM	Lenovo Flex System SI4091 10Gb System Interconnect Module	ScSE	n/a	1, 2, 3, 4	Y	4
00JX972	00FJ669	ASQ8	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-
00MY238	00FM514	ASUU	Lenovo Flex System Fabric EN4093R 10Gb Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00MY239	00FM510	ASUT	Lenovo Flex System Fabric CN4093 10Gb Converged Scalable Switch	ScSE	n/a	1, 2, 3, 4	Y	4
00MY240	00FM518	ASUV	Lenovo Flex System Fabric SI4093 System Interconnect Module	ScSE	n/a	1, 2, 3, 4	Y	4
-	00JY804	-	Flex System CN4052 Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-

Note:
1. Min=0, Max=12 allowed per selection of SSB 00D5824 / FC A3HH

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* Lenovo has withdrawn this product from marketing.

Flex System Enterprise Chassis (8721)

Attention:

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- At a glance
- Options

I/O Pwr Acc

SBB number	Option number	Feature code	Description
Power			
49Y3265	43W9049	A0UD	Flex System Enterprise Chassis 2500W Power Module
00FJ637	-	A5VC	Flex System Enterprise Chassis -48V DC 2500W Power Module
Power Distribution Units			
-	39Y8948	-	Enterprise C19 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71763MU*	-	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	71762MX*	-	IBM Ultra Density Enterprise C19/C13 PDU+ Module
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4140	-	0U 12 C19/12 C13 50A 3 Phase PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	46M4134	-	0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU
Uninterruptible Power Supply (UPS)			
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack and rack Options			
-	93074XX*	-	IBM 42U S2 expansion rack
-	93074RX	-	NetBAY S2 42U Standard Rack Cabinet
-	93072RX	-	IBM 25U S2 standard rack
-	39M2895	-	USB Conversion Option (UCO)
-	39M2894*	-	IBM Virtual Media Conversion Option (VCO)
-	40K9627*	-	Acoustic Door Kit for Enterprise Rack
-	93084PX	-	IBM 42U Enterprise Rack
-	93084EX	-	IBM 42U Enterprise Expansion Rack
-	14104RX	-	42U S2 standard rack
-	14102RX	-	IBM 25RU standard rack
-	99564XX*	-	IBM S2 42U Dynamic Expansion Rack Cabinet
-	99564RX*	-	IBM S2 42U Dynamic Standard Rack Cabinet
-	93072PX	-	IBM S2 25U Static Base Cabinet
-	46M5383	-	Virtual Media Conversion Option Gen2 (VCO2)
-	46M5382	-	Serial Conversion Option (SCO)
-	93624PX*	-	IBM 47U 1200mm Deep Static Rack
-	93624EX*	-	IBM 47U 1200mm Deep Static Expansion Rack

-	93614PX	-	IBM 42U 1200mm Deep Static Rack
-	93614EX*	-	IBM 42U 1200mm Deep Static Expansion Rack
-	93604PX	-	IBM 42U 1200mm Deep Dynamic Rack
-	93604EX*	-	IBM 42U 1200mm Deep Dynamic Expansion Rack
Rack Console Switch			
-	17351GX*	-	IBM Local 2x8 Console Manager (LCM2)
-	17354LX*	-	IBM 2 x 16 Console Switch
-	17353LX*	-	IBM 1 x 8 Console Switch
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
-	17352GX*	-	IBM Global 2x16 Console Mngr(GCM2)
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
90Y3507	49Y7887	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	49Y7888	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	49Y7891	A1DQ	3m QSFP+-to-QSFP+ cable
-	90Y3521*	-	30m QSFP+ MTP Optical cable
90Y9492	90Y9427	A1PH	1m Passive DAC SFP+ Cable
90Y9493	90Y9430	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	90Y9433	A1PK	5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00D6149	00D6151	A3RH	7m Passive DAC SFP+ Cable
00D6287	00D6288	A3RG	0.5m Passive DAC SFP+ Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
00VX168	-	AT2R	Lenovo 1m Active DAC SFP+ Cables
00VX169	-	AT2S	Lenovo 3m Active DAC SFP+ Cables
00VX170	-	AT2T	Lenovo 5m Active DAC SFP+ Cables
Associated Options			
00W0044	-	A2YS	50m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0072	-	A2YM	5m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0076	-	A2YN	10m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0080	-	A2YP	15m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0084	-	A2YQ	20m Mellanox QSFP Optical FDR14 InfiniBand Cable
00W0088	-	A2YR	30m Mellanox QSFP Optical FDR14 InfiniBand Cable
00AK140	-	A4X4	UM KVM Module VGA+SD Dual RJ45
-	43V6147	-	Single Cable USB Conversion Option (UCO)
Fiber Cables			
13N1942	-	3703	1m LC-LC Fiber Cable
13N1943	-	3704	5m LC-LC Fiber Cable
13N1944	-	3705	25m LC-LC Fiber Cable
00KF043	-	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	-	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	-	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	-	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	-	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	-	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable
Rack Power Cables			
26R0244	-	6252	2.5m, 16A/100-240V, C19 to IEC 320-C20 Rack Power Cable
39Y5544	-	6292	2m, 16A/100-250V, C19 to IEC 320-C20 Rack Power Cable
Line Cords			
00D1246	-	A2Y3	4.3m, US/CAN, NEMA L15-30P - (3P+Gnd) to 3X IEC 320 C19 Line Cord
39Y5565	40K9772	6275	4.3m, 16A/208V, C19 to NEMA L6-20P (US) Line Cord

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Flex System Manager Node (8731)

Attention:

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- At a glance
- Options

Table 1. Flex System Manager Node (8731) at-a-glance

Part number	Withdrawal date	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
8731-A1Y	-	Intel SandyBridge PTBD4 8C 8.0GT/s 20M Cache FHS 95W	1	32GB / 32GB	Y	Dual Gb

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Table 1. Flex System Manager Node (8731) at-a-glance (continued)

Part number	Withdrawal date	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
8731-A1Y	-	LSI SAS	N/A	1424Gb / 1424Gb	3 / 3	1/1

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Flex System Manager Node (8731)

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- At a glance
- Options

Processor Memory HDD

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
81Y5151	-	A1CW	Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	A1Y

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Flex System Manager Node (8731)

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- At a glance
- Options

Processor **Memory** HDD

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
49Y1388	-	8941	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A1Y	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM

Table 2. DIMM Installation Order

CPU	Slot
One CPU	4, 1, 9, 12, 5, 2, 8, 11
Two CPU	4, 13, 1, 16, 9, 24, 12, 21

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Flex System Manager Node (8731)

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- At a glance
- Options

Processor Memory **HDD**

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SATA Hot-Swap 2.5" HDDs						
81Y9732	-	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	3	1
SATA 1.8" Solid State Drives						
43W7747	-	5420	200GB SATA 1.8" MLC SSd	SL	1,2	2

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
2.5" HDD				
0	2.5"	SFF	Y	HDD
1.8" HDD				
1	1.8"	SL	Y	SDD
2	1.8"	SL	Y	SDD

Flex System x240 Compute Node (7162)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. Flex System x240 Compute Node (7162) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7162-A4Y	-	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHZ 80W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-B2Y	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHZ 80W	1/2	16Gb GB / 768GbGB	Y	N/A
7162-B4Y	-	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHZ 80W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-C4Y	-	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHZ 80W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-D4Y	-	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHZ 95W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-F4Y	-	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHZ 70W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-G2Y	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHZ 95W	1/2	16Gb GB / 768GbGB	Y	N/A
7162-G4Y	-	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHZ 95W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-H4Y	-	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHZ 95W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-J2Y	-	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHZ 115W	1/2	16Gb GB / 768GbGB	Y	N/A
7162-J4Y	-	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHZ 115W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-L4Y	-	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHZ 115W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
7162-N4Y	-	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHZ 130W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb

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Table 1. Flex System x240 Compute Node (7162) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
7162-A4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-B2Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-B4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-C4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-D4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-F4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-G2Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-G4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-H4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-J2Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-J4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-L4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
7162-N4Y	-	LSI 2004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7162-A4Y is 7162-A4U. See the product specific

Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.

2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Flex System x240 Compute Node (7162)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00AE518	-	A4PQ	Intel Xeon Processor E5-2618L v2 6C 2.0GHz 15MB 1333MHZ 50W (EMB)	-
00AE519	-	A4PR	Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB 1866MHZ 70W (EMB)	-
00AE520	-	A4PS	Intel Xeon Processor E5-2658 v2 10C 2.4GHz 25MB 1866MHZ 95W (EMB)	-
00AE521	-	A4PT	Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHZ 70W (EMB)	-
00Y2813	-	A4PP	Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB Cache 1600MHZ 70W	F4Y
00Y2815	-	A4PN	Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB Cache 1600MHZ 60W	-
00Y2817	-	A4PM	Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB Cache 1866MHZ 130W	-
00Y2819	-	A4PL	Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB Cache 1866MHZ 130W	-
00Y2821	-	A4PK	Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB Cache 1866MHZ 130W	-
00Y2825	-	A4PJ	Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 1866MHZ 130W	-
00Y2827	-	A4PH	Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHZ 115W	L4Y
00Y2829	-	A4PG	Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB Cache 1866MHZ 115W	J2Y, J4Y
00Y2831	-	A4PF	Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHZ 95W	H4Y
00Y2833	-	A4PE	Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB Cache 1866MHZ 95W	G2Y, G4Y
00Y2835	-	A4PD	Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHZ 95W	D4Y
00Y2837	-	A4PC	Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB Cache 1600MHZ 80W	C4Y
00Y2839	-	A4PB	Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHZ 80W	B2Y, B4Y
00Y2841	-	A4PA	Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB Cache 1333MHZ 80W	A4Y
00Y2843	-	A4P9	Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB Cache 1333MHZ 80W	-
00Y2845	-	A4P8	Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHZ 130W	N4Y
00Y2847	-	A4P7	Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB Cache 1866MHZ 115W	-
Additional processor				
-	00Y2865*	-	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB 1600MHZ 70W	-
00Y2824	00Y2859	A4Q5	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB 1866MHZ 130W	-
00Y2826	00Y2858	A4Q4	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB 1866MHZ 115W	-
00Y2828	00Y2857	A4Q3	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB 1866MHZ 115W	-
00Y2830	00Y2856	A4Q2	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB 1866MHZ 95W	-
00Y2832	00Y2855	A4Q1	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB 1866MHZ 95W	-
00Y2834	00Y2854	A4Q0	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB 1600MHZ 95W	-
00Y2836	00Y2853	A4PZ	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB 1600MHZ 80W	-
00Y2838	00Y2852	A4PY	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB 1600MHZ 80W	-
00Y2840	00Y2851	A4PX	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB 1333MHZ 80W	-
00Y2844	00Y2849	A4PV	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB 1866MHZ 130W	-
00AE526	00AE510	A4QB	Addl Intel Xeon Processor E5-2618L v2 6C 2GHz 15MB 1333MHZ 50W EMB	-
00AE527	00AE511	A4QC	Adl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB 1866MHZ 70W EMB	-
00AE528	00AE512	A4QD	Addl Intel Xeon Processor E5-2658 v2 10C 2.4GHz 25MB 1866MHZ 95W EMB	-
00AE529	00AE513	A4QE	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHZ 70W EMB	-
00Y2814	00Y2864	A4Q9	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB 1600MHZ 60W	-
00Y2818	00Y2862	A4Q7	Addl Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB 1866MHZ 130W	-
00Y2820	00Y2861	A4Q6	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB 1866MHZ 130W	-
00Y2842	00Y2850	A4PW	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB 1333MHZ 80W	-
00Y2846	00Y2848	A4PU	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB 1866MHZ 115W	-

00Y2816	00Y2863	A4Q8	Addl Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB 1866MHz 130W	-

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* Lenovo has withdrawn this product from marketing.

Flex System x240 Compute Node (7162)

Attention:

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- At a glance
- Options

Processor **Memory** HDD I/O

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
00D5011	00D5012	A3QB	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
00D5015	00D5016	A3QC	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
00D5023	00D5024	A3QE	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5027	00D5028	A3QF	4GB (1x4GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5035	00D5036	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5039	00D5040	A3QJ	8GB (1x8GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
00D5043	00D5044	A3QK	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5047	00D5048	A3QL	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
46W0671	46W0672	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
A4Y, B2Y, B4Y, C4Y, D4Y, F4Y	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
G2Y, G4Y, H4Y, J2Y, J4Y, L4Y, N4Y	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM

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Flex System x240 Compute Node (7162)

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- At a glance
- Options

Processor Memory **HDD** I/O

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
81Y9692	-	A1P3	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	ITE: 0,1	2
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
81Y9672	-	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	ITE: 0,1	2
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
90Y8928	90Y8926	A2XB	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	ITE: 0,1	2
90Y8955	90Y8953	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	ITE: 0,1	2
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE: 0,1	2
90Y8915	90Y8913	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE: 0,1	2
81Y9664	81Y9662	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE: 0,1	2
90Y8910	90Y8908	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE: 0,1	2
00AD077	-	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
00AD087	-	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ302	-	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	-	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14
49Y6136	-	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14
49Y6141	-	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14
49Y6197	-	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14
SATA Hot-Swap 2.5" HDDs						
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	ITE: 0,1 SEN: 1â €12	14
SATA Hot-Swap 2.5" Solid State Drives						
41Y8333	-	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14

41Y8338	-	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14
41Y8343	-	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ002	00AJ000	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ007	-	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ012	-	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ017	-	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ357	-	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ362	-	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ367	-	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00AJ372	-	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1 SEN: 1â €12	14
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE: 0,1	2
-	90Y8648*	-	IBM 128GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
-	90Y8643*	-	IBM 256GB SATA 2.5" MLC HS Enterprise Value SSD	-	-	-
SATA 1.8" Solid State Drives						
41Y8368	-	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	ITE: 0â€7	8
41Y8373	-	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	ITE: 0â€7	8
00AJ042	-	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8
00AJ052	-	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8
00AJ457	-	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8
00AJ337	-	A56V	120GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8
00AJ342	-	A56W	240GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8
00AJ347	-	A56X	480GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8
00AJ352	-	A56Y	800GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0â€7	8

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* Lenovo has withdrawn this product from marketing.

Flex System x240 Compute Node (7162)

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	90Y4447*	-	ServeRAID M5100 Series SSD Caching Enabler for Flex System	-	-	-	-	-
-	90Y4412*	-	ServeRAID M5100 Series Performance Upgrade for Flex System	-	-	-	-	-
-	90Y4410*	-	ServeRAID M5100 Series RAID 6 Upgrade for Flex System	-	-	-	-	-
-	90Y4391*	-	ServeRAID M5100 Series SSD Expansion Kit for Flex System x240	-	-	-	-	-
90Y4392	90Y4390	A2XW	ServeRAID M5115 SAS/SATA Controller for Flex System	Half	PCIe	1	N	1
90Y4393	90Y4342	A2XX	ServeRAID M5100 Series Enablement Kit for Flex System x240	-	-	-	-	-
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCI-E x8	5, 6	N	2
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x4	7, 8	N	2
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
-	47C8808	-	ServeRAID M5100 Series Flex System Flash Kit v2 for x240	-	-	-	-	-
00AE984	-	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	5, 6, 7, 8	N	4
00AE987	-	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	5, 6, 7, 8	N	4
00AE990	-	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	5, 6, 7, 8	N	4
00AE993	-	ARYN	6400GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	5, 6	N	2
00AE996	-	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCI-E x8	5, 6, 7, 8	N	4
00AE999	-	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCI-E x8	5, 6, 7, 8	N	4
00JY002	-	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCI-E x8	5, 6, 7, 8	N	4
00JY005	-	ARYS	5200GB Enterprise io3 Flash Adapter	Half	PCI-E x8	5, 6	N	2
Networking								
49Y7903	49Y7900	A10Y	Flex System EN2024 4-port 1Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
69Y1939	69Y1938	A1BM	Flex System FC3172 2-port 8Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
90Y3455	90Y3454	A1QZ	Flex System IB6132 2-port FDR Infiniband Adapter	Mezzanine	PCIe	2, 3, 4	N	2
90Y3467	90Y3466	A1QY	Flex System EN4132 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
95Y2376	95Y2375	A2N5	Flex System FC3052 2-port 8Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
69Y1943	69Y1942	A1BQ	Flex System FC5172 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
90Y3483	90Y3482	A3HK	Flex System EN6132 2-port 40Gb Ethernet Adapter	Mezzanine	PCIe	1, 2	N	2
95Y2387	95Y2386	A45R	Flex System FC5052 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
95Y2392	95Y2391	A45S	Flex System FC5054 4-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
00Y3307	-	A4K2	Flex System CN4054R 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
88Y5923	88Y5920	A4K3	Flex System CN4022 2-port 10Gb Converged Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
00AG533	00AG530	A5RN	Flex System EN4172 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
00JY801	00JY800	A5RP	Flex System CN4052 2-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
94Y5161	94Y5160	A4R6	Flex System CN4058S 8-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
94Y5165	94Y5164	A4R9	Flex System CN4058S Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
-	90Y3554*	-	Flex System CN4054 10Gb Virtual Fabric Adapter	-	-	-	-	-
-	88Y6370*	-	Flex System FC5022 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
Video Adapters								
90Y2311	-	A1R4	NVIDIA Tesla M2090	Full	PCIe x16	5	N	1
47C2136	-	A5HD	NVIDIA Tesla K40 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1

Other I/O								
41Y8306	-	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
90Y9311	90Y9310	A2TD	Virtual Fabric Advanced Software Upgrade (LOM)	-	-	-	-	-
90Y3560	90Y3558	A1R0	Flex System CN4054 Virtual Fabric Adapter (SW Upgrade)	-	-	-	-	-
90Y9279	68Y8588	A3JF	Flex System Storage Expansion Node	-	-	-	-	-
47C2123	-	A4F1	NVIDIA GRID K1 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
47C2124	-	A4F2	NVIDIA GRID K2 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
47C2126	-	A4F4	Intel Xeon Phi 5110P for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
00ML202	-	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
00JY805	00JY804	A5RV	Flex System CN4052 Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
81Y8979	-	A1BV	Flex System PCIe Expansion Node	-	-	-	-	-
-	81Y8983	-	Flex System PCIe Expansion Node	-	-	-	-	-
-	00FJ669	-	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-

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Flex System x240 Compute Node (8737)

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- At a glance
- Options

Table 1. Flex System x240 Compute Node (8737) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
8737-A1Y	30 September 2014	Intel Xeon Processor E5-2630L 6C 2.0GHz 15MB Cache 1333MHz 60W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-D2Y	30 September 2014	Intel Xeon Processor E5-2609 4C 2.40GHz 10MB Cache 1066MHz 80W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-F2Y	31 December 2014	Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-G2Y	30 September 2014	Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-H1Y	30 September 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-H2Y	30 September 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-J1Y	30 September 2014	Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-L2Y	30 September 2014	Intel Xeon Processor E5-2660 8C 2.2GHz 20MB Cache 1600MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-M1Y	30 September 2014	Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-M2Y	30 September 2014	Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-N2Y	30 September 2014	Intel Xeon Processor E5-2643 4C 3.3GHz 10MB Cache 1600MHz 130W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-Q2Y	30 September 2014	Intel Xeon Processor E5-2667 6C 2.9GHz 15MB Cache 1600MHz 130W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-R2Y	30 September 2014	Intel Xeon Processor E5-2690 8C 2.9GHz 20MB Cache 1600MHz 135W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-HBY	30 September 2014	Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-14Y	-	Intel Xeon Processor E5-2609 V2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-1MY	-	Intel Xeon Processor E5-2609 V2 4C 2.5GHz 10MB Cache 1333MHz 80W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-22Y	-	Intel Xeon Processor E5-2620 V2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-24Y	-	Intel Xeon Processor E5-2620 V2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-2MY	-	Intel Xeon Processor E5-2620 V2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-34Y	-	Intel Xeon Processor E5-2640 V2 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-3MY	-	Intel Xeon Processor E5-2640 V2 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-42Y	-	Intel Xeon Processor E5-2650 V2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-44Y	-	Intel Xeon Processor E5-2650 V2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-4MY	-	Intel Xeon Processor E5-2650 V2 8C 2.6GHz 20MB Cache 1866MHz 95W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-54Y	-	Intel Xeon Processor E5-2660 V2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-5MY	-	Intel Xeon Processor E5-2660 V2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-62Y	-	Intel Xeon Processor E5-2670 V2 10C 2.5GHz 25MB Cache 1866MHz 115W	1/2	8Gb GB / 768GbGB	Y	N/A

8737-64Y	-	Intel Xeon Processor E5-2670 V2 10C 2.5GHz 25MB Cache 1866MHZ 115W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-6MY	-	Intel Xeon Processor E5-2670 V2 10C 2.5GHz 25MB Cache 1866MHZ 115W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-72Y	-	Intel Xeon Processor E5-2680 V2 10C 2.8GHz 25MB Cache 1866MHZ 115W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-74Y	-	Intel Xeon Processor E5-2680 V2 10C 2.8GHz 25MB Cache 1866MHZ 115W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-7MY	-	Intel Xeon Processor E5-2680 V2 10C 2.8GHz 25MB Cache 1866MHZ 115W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-84Y	-	Intel Xeon Processor E5-2690 V2 10C 3.0GHz 25MB Cache 1866MHZ 130W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-8DY	-	Intel Xeon Processor E5-2690 V2 10C 3.0GHz 25MB Cache 1866MHZ 130W	2/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-8MY	-	Intel Xeon Processor E5-2690 V2 10C 3.0GHz 25MB Cache 1866MHZ 130W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-94Y	-	Intel Xeon Processor E5-2697 V2 12C 2.7GHz 30MB Cache 1866MHZ 130W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-9MY	-	Intel Xeon Processor E5-2697 V2 12C 2.7GHz 30MB Cache 1866MHZ 130W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-B4Y	-	Intel Xeon Processor E5-2630 V2 6C 2.6GHz 15MB Cache 1600MHZ 80W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-BMY	-	Intel Xeon Processor E5-2630 V2 6C 2.6GHz 15MB Cache 1600MHZ 80W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-C4Y	-	Intel Xeon Processor E5-2650L V2 10C 1.7GHz 25MB Cache 1600MHZ 70W	1/2	8Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-CMY	-	Intel Xeon Processor E5-2650L V2 10C 1.7GHz 25MB Cache 1600MHZ 70W	1/2	8Gb GB / 768GbGB	Y	N/A
8737-E1Y	30 September 2015	2 x Intel® Xeon® Processor E5-2620 v2 6C 2.1GHz 15MB Cache 1600MHz 80W	1/2	16Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-E2Y	30 September 2015	2 x Intel® Xeon® Processor E5-2640 v2 8C 2.0GHz 20MB Cache 1600MHz 95W	1/2	64Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-E3Y	30 September 2015	2 x Intel® Xeon® Processor E5-2660 v2 10C 2.2GHz 25MB Cache 1866MHz 95W	1/2	64Gb GB / 768GbGB	Y	Dual 1Gb /10Gb
8737-E4Y	30 September 2015	2 x Intel® Xeon® Processor E5-2680 v2 10C 2.8GHz 25MB Cache 1866MHz 115W	1/2	128Gb GB / 768GbGB	Y	Dual 1Gb /10Gb

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Table 1. Flex System x240 Compute Node (8737) at-a-glance (continued)

Part number1	Withdrawal date2	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	HDD Bays (Std/ Max)	Expansion Slots (Std/Max)
8737-A1Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-D2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-F2Y	31 December 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-G2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-H1Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-H2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-J1Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-L2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-M1Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-M2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-N2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-Q2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-R2Y	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-HBY	30 September 2014	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-14Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-1MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-22Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-24Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-2MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-34Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-3MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-42Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-44Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-4MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-54Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-5MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4

8737-62Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-64Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-6MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-72Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-74Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-7MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-84Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-8DY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-8MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-94Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-9MY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-B4Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-BMY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-C4Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-CMY	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-E1Y	30 September 2015	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-E2Y	30 September 2015	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-E3Y	30 September 2015	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
8737-E4Y	30 September 2015	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4

Notes:

- 1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U. S. orderable part number for 8737-A1Y is 8737-A1U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- 2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Flex System x240 Compute Node (8737)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Processor options	Models support
Additional processor				
-	95Y4675	-	Addl Intel Xeon Processor E5-2658 8C 2.1GHz 20MB Cache 1600MHz 95W	-
-	95Y4670*	-	Addl Intel Xeon Processor E5-2648L 8C 1.8GHz 20MB Cache 1600MHz 70W	-
-	81Y9418*	-	Addl Intel Xeon Processor E5-2670 8C 2.6GHz 20MB Cache 1600MHz 115W	-
-	81Y5179*	-	Addl Intel Xeon Processor E5-2650L 8C 1.8GHz 20MB Cache 1600MHz 70W	-
-	81Y5206*	-	Addl Intel Xeon Processor E5-2630L 6C 2.0GHz 15MB Cache 1333MHz 60W	-
-	81Y5190*	-	Addl Intel Xeon Processor E5-2643 4C 3.3GHz 10MB Cache 1600MHz 130W	-
-	81Y5189	-	Addl Intel Xeon Processor E5-2667 6C 2.9GHz 15MB Cache 1600MHz 130W	-
-	81Y5188*	-	Addl Intel Xeon Processor E5-2680 8C 2.7GHz 20MB Cache 1600MHz 130W	-
-	81Y5187*	-	Addl Intel Xeon Processor E5-2660 8C 2.2GHz 20MB Cache 1600MHz 95W	-
-	81Y5186*	-	Addl Intel Xeon Processor E5-2650 8C 2.0GHz 20MB Cache 1600MHz 95W	-
-	81Y5185*	-	Addl Intel Xeon Processor E5-2640 6C 2.5GHz 15MB Cache 1333MHz 95W	-
-	81Y5184*	-	Addl Intel Xeon Processor E5-2630 6C 2.3GHz 15MB Cache 1333MHz 95W	-
-	81Y5183*	-	Addl Intel Xeon Processor E5-2620 6C 2.0GHz 15MB Cache 1333MHz 95W	-
-	81Y5182*	-	Addl Intel Xeon Processor E5-2609 4C 2.4GHz 10MB Cache 1066MHz 80W	-
-	81Y5180*	-	Addl Intel Xeon Processor E5-2603 4C 1.8GHz 10MB Cache 1066MHz 80W	-
-	49Y8144*	-	Addl Intel Xeon Processor E5-2665 8C 2.4GHz 20MB Cache 1600MHz 115W	-
-	49Y8125*	-	Addl Intel Xeon Processor E5-2637 2C 3.0GHz 5MB Cache 1600MHz 80W	-
-	49Y8116*	-	Addl Intel Xeon Processor E5-2690 8C 2.9GHz 20MB Cache 1600MHz 135W	-
-	00Y2849	-	Addl Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB 1866MHz 130W	-
-	00Y2851	-	Addl Intel Xeon Processor E5-2609 v2 4C 2.5GHz 10MB 1333MHz 80W	-
-	00Y2852	-	Addl Intel Xeon Processor E5-2620 v2 6C 2.1GHz 15MB 1600MHz 80W	-
-	00Y2853	-	Addl Intel Xeon Processor E5-2630 v2 6C 2.6GHz 15MB 1600MHz 80W	-
-	00Y2854	-	Addl Intel Xeon Processor E5-2640 v2 8C 2.0GHz 20MB 1600MHz 95W	-
-	00Y2855	-	Addl Intel Xeon Processor E5-2650 v2 8C 2.6GHz 20MB 1866MHz 95W	-
-	00Y2856	-	Addl Intel Xeon Processor E5-2660 v2 10C 2.2GHz 25MB 1866MHz 95W	-
-	00Y2857	-	Addl Intel Xeon Processor E5-2670 v2 10C 2.5GHz 25MB 1866MHz 115W	-
-	00Y2858	-	Addl Intel Xeon Processor E5-2680 v2 10C 2.8GHz 25MB 1866MHz 115W	-
-	00Y2859	-	Addl Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB 1866MHz 130W	8DY
-	00Y2865*	-	Addl Intel Xeon Processor E5-2650L v2 10C 1.7GHz 25MB 1600MHz 70W	-
-	00Y2848	-	Addl Intel Xeon Processor E5-2695 v2 12C 2.4GHz 30MB 1866MHz 115W	-
-	00Y2850	-	Addl Intel Xeon Processor E5-2603 v2 4C 1.8GHz 10MB 1333MHz 80W	-
-	00Y2861	-	Addl Intel Xeon Processor E5-2637 v2 4C 3.5GHz 15MB 1866MHz 130W	-
-	00Y2862	-	Addl Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB 1866MHz 130W	-
-	00Y2864	-	Addl Intel Xeon Processor E5-2630L v2 6C 2.4GHz 15MB 1600MHz 60W	-
-	00AE513	-	Addl Intel Xeon Processor E5-2628L v2 8C 1.9GHz 20MB 1600MHz 70W EMB	-
-	00AE512	-	Addl Intel Xeon Processor E5-2658 v2 10C 2.4GHz 25MB 1866MHz 95W EMB	-
-	00AE511	-	Adl Intel Xeon Processor E5-2648L v2 10C 1.9GHz 25MB 1866MHz 70W EMB	-
-	00AE510	-	Addl Intel Xeon Processor E5-2618L v2 6C 2GHz 15MB 1333MHz 50W EMB	-
-	00Y2863	-	Addl Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB 1866MHz 130W	-



Flex System x240 Compute Node (8737)

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- At a glance
- Options

Processor **Memory** HDD I/O

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	49Y1397	-	8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1406	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1405*	-	2GB (1x2GB, 1Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
49Y1389	49Y1407	8942	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	49Y1404*	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM
-	49Y1400*	-	16GB (1x16GB, 4Rx4, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM
-	49Y1563	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP RDIMM
-	90Y3178	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3109	-	8GB (1x8GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	90Y3105	-	32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM
-	49Y1559	-	4GB (1x4GB, 1Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	49Y1567*	-	16GB (1x16GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM
-	00D4968	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	46W0761	-	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM
-	46W0672	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5048	-	16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
-	00D5040	-	8GB (1x8GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
-	00D5036	-	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5016	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM
-	00D5044	-	8GB (1x8GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5028	-	4GB (1x4GB, 2Rx8, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM
-	00D5024	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5012	-	4GB (1x4GB, 2Rx8, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP UDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration

Table 2. DIMM Installation Order

CPU	Slot
One CPU	4, 1, 9, 12, 5, 2, 8, 11, 6, 3, 7, 10
Two CPU	4, 24, 1, 21, 9, 13, 12, 16, 5, 23, 2, 20, 8, 14, 11, 17, 6, 22, 3, 19, 7, 15, 10, 18

Table 3. DIMM Installation Order - Mirrored Channel Mode

CPU	Slot
One CPU	[4, 1], [9, 12], [2, 5], [8, 11], [3, 6], [7, 10]
Two CPU	[4, 1], [21, 24], [9, 12], [16, 13], [2, 5], [20, 23], [8, 11], [14, 17], [3, 6], [19, 22], [7, 10], [15, 18]

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Flex System x240 Compute Node (8737)

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- At a glance
- Options

Processor Memory **HDD** I/O

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	42D0677*	-	146GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	ITE : 0, 1	2
-	42D0637*	-	300GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	ITE : 0, 1	2
-	42D0707*	-	500GB 7200 6Gbps NL SAS 2.5" SFF Slim-HS HDD	SFF	ITE : 0, 1	2
-	49Y2003*	-	600GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	SFF	ITE : 0, 1	2
-	81Y9690	-	1TB 7.2K 6Gbps NL SAS 2.5" SFF HS HDD	SFF	ITE : 0, 1	2
-	81Y9670	-	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	ITE : 0, 1	2
-	81Y9650	-	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	90Y8877	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	ITE:0,1 SEN:1â€¢12	2/14
-	90Y8872	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	ITE:0,1 SEN:1â€¢12	2/14
-	90Y8953	-	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	ITE : 0, 1	2
-	90Y8926	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	ITE:0,1	2
-	90Y8944*	-	146GB 15K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE:0,1	2
-	90Y8913	-	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE:0,1	2
-	90Y8908	-	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE:0,1	2
-	81Y9662	-	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	ITE:0,1	2
-	00AD075	-	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	00AD085	-	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	00AD102*	-	600GB 10K 6Gbps SAS 2.5 G2HS Hybrid	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	00AJ300	-	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	00AJ246*	-	600GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	00AJ236*	-	300GB 15K 6Gbps SAS 2.5 G2HS Hybrid	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	42D0672*	-	IBM 73GB 15K 6Gbps SAS 2.5" SFF Slim-HS HDD	-	-	-
-	44W2294*	-	IBM 146GB 15K 6Gbps SAS 2.5" SFF Slim-HS SED	-	-	-
-	44W2264*	-	IBM 300GB 10K 6Gbps SAS 2.5" SFF Slim-HS SED	-	-	-
-	42D0632*	-	IBM 146GB 10K 6Gbps SAS 2.5" SFF Slim-HS HDD	-	-	-
SAS Hot-Swap 2.5" Solid State Drives						
-	49Y6139	-	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	49Y6134	-	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14
-	49Y6129	-	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â€¢12	2/14

-	49Y6195	-	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
SATA Hot-Swap 2.5" HDDs						
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
SATA Hot-Swap 2.5" Solid State Drives						
-	43W7718*	-	200GB SATA 2.5" MLC HS SSd	SFF	ITE : 0, 1	2
-	90Y8648*	-	128GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1	2
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	49Y5844*	-	512GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1	2
-	49Y5839*	-	64GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1	2
-	00W1125*	-	100GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1	2
-	41Y8341	-	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	41Y8336	-	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	41Y8331	-	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ015	-	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ010	-	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ005	-	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ000	-	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ370	-	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ365	-	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ360	-	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
-	00AJ355	-	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1 SEN: 1â €12	2/14
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	ITE : 0, 1	2
SATA 1.8" Solid State Drives						
-	43W7746*	-	200GB SATA 1.8" MLC SSd	SL	ITE : 0â€7	8
-	43W7726*	-	50GB SATA 1.8" MLC SSd	SL	ITE : 0â€7	8
-	49Y5993*	-	512GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
-	49Y6124*	-	400GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0â€7	8
-	49Y6119*	-	200GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0â€7	8
-	00W1120*	-	100GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0â€7	8
-	00W1227*	-	256GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
-	00W1222*	-	128GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
41Y8368	41Y8366	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0â€7	8
41Y8373	41Y8371	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0â€7	8
-	00AJ045*	-	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
00AJ457	00AJ455	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
00AJ337	00AJ335	A56V	120GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
00AJ342	00AJ340	A56W	240GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8
00AJ347	00AJ345	A56X	480GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0â€7	8

00AJ352	00AJ350	A56Y	800GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE: 0&#17	8
External storage expansion units						
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Table 1. HDD drive bays				
Bay	Form Factor	Height	Front access	Usage
3.5" HDD				
0	2.5"	SFF	Y	HDD
1	2.5"	SFF	Y	HDD
2.5" HDD				
0	2.5"	SFF	Y	HDD
1	2.5"	SFF	Y	HDD
4	1.8"	Ultra Slim	N	SSD
5	1.8"	Ultra Slim	N	SSD
6	1.8"	Ultra Slim	N	SSD
7	1.8"	Ultra Slim	N	SSD
-				
0	1.8"	Ultra Slim	Y	SSD
1	1.8"	Ultra Slim	Y	SSD
2	1.8"	Ultra Slim	Y	SSD
3	1.8"	Ultra Slim	Y	SSD
4	1.8"	Ultra Slim	N	SSD
5	1.8"	Ultra Slim	N	SSD
6	1.8"	Ultra Slim	N	SSD
7	1.8"	Ultra Slim	N	SSD

* Lenovo has withdrawn this product from marketing.

Flex System x240 Compute Node (8737)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported ¹	Hot-Plug capable	Max quantity
Storage controllers and cache options								
-	90Y4447*	-	ServerRAID M5100 Series SSD Caching Enabler for Flex System	-	-	-	-	-
-	90Y4412*	-	ServerRAID M5100 Series Performance Upgrade for Flex System	-	-	-	-	-
-	90Y4410*	-	ServerRAID M5100 Series RAID 6 Upgrade for Flex System	-	-	-	-	-
-	90Y4391*	-	ServerRAID M5100 Series SSD Expansion Kit for Flex System x240	-	-	-	-	-
-	90Y4341*	-	ServerRAID M5100 Series Flex System Flash Kit for x240	-	-	-	-	-
-	90Y4342	-	ServerRAID M5100 Series Enablement Kit for Flex System x240	-	-	-	-	-
-	90Y4390	-	ServerRAID M5115 SAS/SATA Controller for Flex System	Half	PCIe	1	N	1
-	81Y4519*	-	640GB High IOPS MLC Duo Adapter	Half	PCIe	5, 6	N	2
-	81Y4527*	-	1.28TB High IOPS MLC Duo Adapter	Half	x8 PCIe x4 PCIe Gen2	5, 6	N	2
-	90Y4397*	-	2.4TB High IOPS MLC Duo Adapter	Half	PCI-E x8	5, 6	N	2
-	90Y4377*	-	1.2TB High IOPS MLC Mono Adapter	Half	PCI-E x4	7, 8	N	2
-	46C9081*	-	785GB High IOPS MLC Mono Adapter	Half	PCI-E x4	7, 8, 5, 6	N	4
-	46C9078*	-	365GB High IOPS MLC Mono Adapter	Half	PCI-E x4	7, 8, 5, 6	N	4
-	81Y4559	-	ServerRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	81Y4487	-	ServerRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
-	47C8808	-	ServerRAID M5100 Series Flex System Flash Kit v2 for x240	-	-	-	-	-
00AE984	-	ARYK	1250GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	7, 8, 5, 6	N	4
00AE987	-	ARYL	1600GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	7, 8, 5, 6	N	4
00AE990	-	ARYM	3200GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	7, 8, 5, 6	N	4
00AE993	-	ARYN	6400GB Enterprise Value io3 Flash Adapter	HALF	PCIe x8	5, 6	N	2
00AE996	-	ARYP	1000GB Enterprise io3 Flash Adapter	HALF	PCIe x8	7, 8, 5, 6	N	4
00AE999	-	ARYQ	1300GB Enterprise io3 Flash Adapter	HALF	PCIe x8	7, 8, 5, 6	N	4
00JY002	-	ARYR	2600GB Enterprise io3 Flash Adapter	HALF	PCIe x8	7, 8, 5, 6	N	4
00JY005	-	ARYS	5200GB Enterprise io3 Flash Adapter	HALF	PCIe x8	5, 6	N	2
Networking								
-	95Y2375	-	Flex System FC3052 2-port 8Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	90Y3554*	-	Flex System CN4054 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
-	90Y3466	-	Flex System EN4132 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
-	90Y3454	-	Flex System IB6132 2-port FDR Infiniband Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	88Y6370*	-	Flex System FC5022 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	69Y1938	-	Flex System FC3172 2-port 8Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	49Y7900	-	Flex System EN2024 4-port 1Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
-	95Y2391	-	Flex System FC5054 4-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	95Y2386	-	Flex System FC5052 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	90Y3482	-	Flex System EN6132 2-port 40Gb Ethernet Adapter	Mezzanine	PCIe	1, 2	N	2
-	69Y1942	-	Flex System FC5172 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
-	88Y5920	-	Flex System CN4022 2-port 10Gb Converged Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
-	00Y3306	-	Flex System CN4054R 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
-	00JY800	-	Flex System CN4052 2-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
Systems Management								
-	68Y7030	-	Flex System Chassis Management Module	-	-	-	-	-

Video Adapters								
-	94Y5960	-	NVIDIA Tesla M2090	Full	PCIe x16	5	N	1
47C2136	47C2137	A5HD	NVIDIA Tesla K40 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
Other I/O								
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
-	41Y8300*	-	USB Memory Key for VMWare ESXi 5.0	-	-	-	-	-
-	90Y9310	-	Virtual Fabric Advanced Software Upgrade (LOM)	-	-	-	-	-
-	90Y3558	-	Flex System CN4054 Virtual Fabric Adapter (SW Upgrade)	-	-	-	-	-
-	41Y8307*	-	USB Memory Key for VMware ESXi 5.0 Update1	-	-	-	-	-
-	68Y8588	-	Flex System Storage Expansion Node	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
-	47C2122	-	Intel Xeon Phi 5110P for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
-	47C2119	-	NVIDIA Tesla K20 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
-	47C2121	-	NVIDIA GRID K2 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
-	47C2120	-	NVIDIA GRID K1 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
-	41Y8385*	-	USB Memory Key for VMWare ESXi 5.5	-	-	-	-	-
00ML202	00ML200	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
-	81Y5286	-	Flex System Console Breakout Cable	-	-	-	-	-
-	81Y8983	-	Flex System PCIe Expansion Node1	-	-	-	-	-
-	00JY804	-	Flex System CN4052 Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
-	00FJ669	-	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-

Note:
1. To enable Slots 3 & 4 the Flex System PCIe Expansion Node (81Y8983/ FC A1BV) is needed.

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Slot 1 - Compute Node - Mezzanine	x16 PCIe, Gen 3	-	-	-	x16	N	-
Slot 2 - Compute Node - Mezzanine	x16 PCIe, Gen 3	-	-	-	x16	N	-
Slot 3 - PEN1 - Mezzanine	x16 PCIe, Gen 2	-	-	-	x16	N	-
Slot 4 - PEN1 - Mezzanine	x16 PCIe, Gen 2	-	-	-	x16	N	-
Slot 5 - PEN1 - Left Riser (Bottom)	x16 PCIe, Gen 2	-	-	-	x16	N	FH/FL
Slot 6 - PEN1 - Left Riser (Top)	x16 PCIe, Gen 2	-	-	-	x16	N	FH/FL
Slot 7 - PEN1 - Right Riser (Bottom)	x8 PCIe, Gen 2	-	-	-	x8	N	Low Profile
Slot 8 - PEN1 - Right Riser (Top)	x8 PCIe, Gen 2	-	-	-	x8	N	Low Profile

Note:
1. PEN: PCIe Expansion Node.

* Lenovo has withdrawn this product from marketing.

Flex System x240 M5 (9532)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. Flex System x240 M5 (9532) at-a-glance

Part number1	Withdrawal dates	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	System Mgmt Processor	Integrated Ethernet
9532-A2Y	-	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-B2Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-B4Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-C2Y	-	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-D2Y	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-D4Y	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-F2Y	-	Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB Cache 2133MHz 65W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-G2Y	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-H2Y	-	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-H4Y	-	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-J2Y	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-J4Y	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-L2Y	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-L4Y	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-M2Y	-	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-N2Y	-	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-Q2Y	-	Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB Cache 2133MHz 135W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-B6Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-D6Y	-	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-H6Y	-	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-J6Y	-	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-L6Y	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-E1Y	-	2 x Intel® Xeon® Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	1/2	32Gb GB / 768GbGB	Y	N/A
9532-E2Y	-	2 x Intel® Xeon® Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	1/2	64Gb GB / 768GbGB	Y	N/A
9532-E3Y	-	2 x Intel® Xeon® Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	1/2	64Gb GB / 768GbGB	Y	N/A
9532-E4Y	-	2 x Intel® Xeon® Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	1/2	128Gb GB / 768GbGB	Y	N/A
9532-E5Y	-	2 x Intel® Xeon® Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	1/2	128Gb GB / 768GbGB	Y	N/A

9532-RAY	-	Intel Xeon Processor E5-2608L v3 6C 2.0GHz 15MB Cache 1866MHz 52W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-RBY	-	Intel Xeon Processor E5-2618L v3 8C 2.3GHz 20MB Cache 1866MHz 75W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-RCY	-	Intel Xeon Processor E5-2628L v3 10C 2.0GHz 25MB Cache 1866MHz 75W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-RDY	-	Intel Xeon Processor E5-2648L v3 12C 1.8GHz 30MB Cache 2133MHz 75W	1/2	16Gb GB / 768GbGB	Y	N/A
9532-REY	-	Intel Xeon Processor E5-2658 v3 12C 2.2GHz 30MB Cache 2133MHz 105W	1/2	16Gb GB / 768GbGB	Y	N/A

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Table 1. Flex System x240 M5 (9532) at-a-glance (continued)

Part number ¹	Withdrawal dates	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	HDD Bays (Std/ Max)	Expansion Slots (Std/Max)
9532-A2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-B2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-B4Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-C2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-D2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-D4Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-F2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-G2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-H2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-H4Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-J2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-J4Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-L2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-L4Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-M2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-N2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-Q2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-B6Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-D6Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-H6Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-J6Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-L6Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-E1Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-E2Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-E3Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-E4Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-E5Y	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	1 / 2
9532-RAY	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-RBY	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-RCY	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-RDY	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2
9532-REY	-	LSI 3004 SAS	N/A	0GB / 3.2TB	0 / 2	0 / 2

Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 9532-A2Y is 9532-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Flex System x240 M5 (9532)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00JX067	-	A5TH	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	N2Y
00JX068	-	A5TG	Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB Cache 2133MHz 120W	-
00JX069	-	A5TF	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	M2Y
00JX070	-	A5TE	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	L2Y, L4Y, L6Y
00JX071	-	A5TD	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	J2Y, J4Y, J6Y
00JX072	-	A5TB	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	H2Y, H4Y, H6Y
00JX073	-	A5TA	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	G2Y
00JX074	-	A5T9	Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB Cache 2133MHz 65W	F2Y
00JX075	-	A5T7	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	D2Y, D4Y, D6Y
00JX076	-	A5T5	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	C2Y
00JX077	-	A5T3	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	B2Y, B4Y, B6Y
00JX078	-	A5T4	Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	-
00JX079	-	A5T2	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	A2Y
00JX080	-	A5T1	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	-
00JX081	-	A5TC	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	-
00JX082	-	A5T8	Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB Cache 2133MHz 135W	-
00JX083	-	A5T6	Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB Cache 2133MHz 135W	-
00KJ003	-	AS2W	Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB Cache 2133MHz 145W	-
00KJ005	-	AS2X	Intel Xeon Processor E5-2658 v3 12C 2.2GHz 30MB Cache 2133MHz 105W	-
00KJ007	-	AS2Y	Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB Cache 2133MHz 135W	Q2Y
00KJ009	-	AS2Z	Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB Cache 2133MHz 120W	-
00KJ011	-	AS30	Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB Cache 2133MHz 120W	-
00KJ013	-	AS31	Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB Cache 1866MHz 105W	-
00KJ015	-	AS32	Intel Xeon Processor E5-2648L v3 12C 1.8GHz 30MB Cache 2133MHz 75W	-
00KJ017	-	AS33	Intel Xeon Processor E5-2628L v3 10C 2.0GHz 25MB Cache 1866MHz 75W	-
00KJ019	-	AS34	Intel Xeon Processor E5-2618L v3 8C 2.3GHz 20MB Cache 1866MHz 75W	-
00KJ021	-	AS35	Intel Xeon Processor E5-2608L v3 6C 2.0GHz 15MB Cache 1866MHz 52W	-
Additional processor				
00JX084	00JX050	A5T0	Addl Intel Xeon Proc E5-2697 v3 14C 2.6GHz 35MB Cache 2133MHz 145W	-
00JX085	00JX051	A5SZ	Addl Intel Xeon Proc E5-2695 v3 14C 2.3GHz 35MB Cache 2133MHz 120W	-
00JX086	00JX052	A5SY	Addl Intel Xeon Proc E5-2690 v3 12C 2.6GHz 30MB Cache 2133MHz 135W	-
00JX087	00JX053	A5SX	Addl Intel Xeon Proc E5-2680 v3 12C 2.5GHz 30MB Cache 2133MHz 120W	-
00JX088	00JX054	A5SW	Addl Intel Xeon Proc E5-2670 v3 12C 2.3GHz 30MB Cache 2133MHz 120W	-
00JX089	00JX055	A5SU	Addl Intel Xeon Proc E5-2660 v3 10C 2.6GHz 25MB Cache 2133MHz 105W	-
00JX090	00JX056	A5ST	Addl Intel Xeon Proc E5-2650 v3 10C 2.3GHz 25MB Cache 2133MHz 105W	-
00JX091	00JX057	A5SS	Addl Intel Xeon Proc E5-2650L v3 12C 1.8GHz 30MB Cache 2133MHz 65W	-
00JX092	00JX058	A5SQ	Addl Intel Xeon Proc E5-2640 v3 8C 2.6GHz 20MB Cache 1866MHz 90W	-
00JX093	00JX059	A5SN	Addl Intel Xeon Proc E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W	-
00JX094	00JX060	A5SL	Addl Intel Xeon Proc E5-2620 v3 6C 2.4GHz 15MB Cache 1866MHz 85W	-
00JX095	00JX061	A5SM	Addl Intel Xeon Proc E5-2630L v3 8C 1.8GHz 20MB Cache 1866MHz 55W	-
00JX096	00JX062	A5SK	Addl Intel Xeon Proc E5-2609 v3 6C 1.9GHz 15MB Cache 1600MHz 85W	-
00JX097	00JX063	A5SJ	Addl Intel Xeon Proc E5-2603 v3 6C 1.6GHz 15MB Cache 1600MHz 85W	-

00JX098	00JX064	A5SV	Addl Intel Xeon Proc E5-2667 v3 8C 3.2GHz 20MB Cache 2133MHz 135W	-
00JX099	00JX065	A5SR	Addl Intel Xeon Proc E5-2643 v3 6C 3.4GHz 20MB Cache 2133MHz 135W	-
00JX100	00JX066	A5SP	Addl Intel Xeon Proc E5-2637 v3 4C 3.5GHz 15MB Cache 2133MHz 135W	-
00KJ004	00KJ043	AS36	Addl Intel Xeon Proc E5-2699 v3 18C 2.3GHz 45MB Cache 2133MHz 145W	-
00KJ006	00KJ044	AS37	Addl Intel Xeon Proc E5-2658 v3 12C 2.2GHz 30MB Cache 2133MHz 105W	-
00KJ008	00KJ045	AS38	Addl Intel Xeon Proc E5-2698 v3 16C 2.3GHz 40MB Cache 2133MHz 135W	-
00KJ010	00KJ046	AS39	Addl Intel Xeon Proc E5-2685 v3 12C 2.6GHz 30MB Cache 2133MHz 120W	-
00KJ012	00KJ047	AS3A	Addl Intel Xeon Proc E5-2683 v3 14C 2.0GHz 35MB Cache 2133MHz 120W	-
00KJ014	00KJ048	AS3B	Addl Intel Xeon Proc E5-2623 v3 4C 3.0GHz 10MB Cache 1866MHz 105W	-
00KJ016	00KJ049	AS3C	Addl Intel Xeon Proc E5-2648L v3 12C 1.8GHz 30MB Cache 2133MHz 75W	-
00KJ018	00KJ050	AS3D	Addl Intel Xeon Proc E5-2628L v3 10C 2.0GHz 25MB Cache 1866MHz 75W	-
00KJ020	00KJ051	AS3E	Addl Intel Xeon Proc E5-2618L v3 8C 2.3GHz 20MB Cache 1866MHz 75W	-
00KJ022	00KJ052	AS3F	Addl Intel Xeon Proc E5-2608L v3 6C 2.0GHz 15MB Cache 1866MHz 52W	-

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Flex System x240 M5 (9532)

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- At a glance
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Processor **Memory** HDD I/O

SBB number	Option number	Feature code	Memory description
TruDDR4 Memory			
46W0783	46W0784	A5B6	4GB TruDDR4 Memory (1Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0787	46W0788	A5B5	8GB TruDDR4 Memory (1Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0791	46W0792	A5B8	8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0799	46W0800	A5B9	32GB TruDDR4 Memory (4Rx4, 1.2V) PC417000 CL15 2133MHz LP LRDIMM
95Y4820	95Y4821	ASD9	16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
95Y4811	95Y4812	A5UK	64GB TruDDR4 Memory (4Rx4,1.2V) PC4-17000 CL15 2133MHz LP LRDIMM
-	95Y4808	-	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
95Y4807	95Y4808	A5UJ	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
N2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
A2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
B2Y, B4Y, B6Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
C2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
D2Y, D4Y, D6Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
F2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
G2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
H2Y, H4Y, H6Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
J2Y, J4Y, J6Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
L2Y, L4Y, L6Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
M2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
Q2Y	1 x 16GB 2Rx4 4Gbit 1.2V PC4-17000 2133MHz DDR4 RDIMM
92Y,82Y,72Y,62Y,52Y,42Y,32Y,22Y,12Y, 33Y, 23Y, 13Y	1 x 16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-19200 CL17 2400MHz LP RDIMM
EAY, EB Y, ECY, EDY	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-19200 CL17 2400MHz LP RDIMM

Table 2. DIMM Installation Order

CPU	Slot
One CPU	4, 9, 1, 12, 5, 8, 2, 11, 6, 7, 3, 10
Two CPU	4, 16, 9, 21, 1, 13, 12, 24, 5, 17, 8, 20, 2, 14, 11, 23, 6, 18, 7, 19, 3, 15, 10, 22

Table 3. DIMM Installation Order - Mirrored Channel Mode

CPU	Slot
One CPU	[4, 1], [9, 12], [2, 5], [8, 11], [3, 6], [7, 10]
Two CPU	[4, 1], [21, 24], [9, 12], [16, 13], [2, 5], [20, 23], [8, 11], [17, 14], [3, 6], [19, 22], [7, 10], [18,15]

Table 4. DIMM Installation Order (Memory Sparing Mode 2 DIMMS per channel).

CPU	Slot
One CPU	[4, 5], [8, 9], [1, 2], [11, 12]
Two CPU	[4, 5], [20, 21], [8, 9], [16, 17], [1, 2], [23, 24], [11, 12], [13, 14]

Table 5. DIMM Installation Order (Memory Sparing Mode 3 DIMMS per channel).

CPU	Slot
One CPU	[4, 5, 6], [7, 8, 9], [1, 2, 3], [10, 11, 12]
Two CPU	[4, 5, 6], [19, 20, 21], [7, 8, 9], [16, 17, 18], [1, 2, 3], [22, 23, 24], [10, 11, 12], [13, 14, 15]

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- At a glance
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Processor Memory **HDD** I/O

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	SEN: 1...12	12
90Y8874	90Y8872	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	SEN: 1...12	12
90Y8879	90Y8877	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	SEN: 1...12	12
00AJ302	-	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	SEN: 1...12	12
-	00AJ151*	-	1.2TB 10K 6Gbps SAS 2.5 G3HS SED	SFF	ITE : 0, 1	2
-	00AJ116*	-	146GB 15K 6Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
-	00AJ101*	-	600GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
-	00AJ076*	-	900GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
00AJ073	00AJ071	A4TN	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ083	00AJ081	A4TR	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ088	00AJ086	A4TU	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	ITE : 0, 1	2
00AJ093	00AJ091	A4TM	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ098	00AJ096	A4TL	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ108	00AJ106	A4TY	300GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
00AJ113	00AJ111	A4TQ	146GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ123	00AJ121	A4TT	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ148	00AJ146	A4TP	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ128	00AJ126	A4TS	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00NA223	00NA221	ASBB	300GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA233	00NA231	ASBD	600GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA243	00NA241	ASBF	600GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA253	00NA251	ASBH	900GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA263	00NA261	ASBK	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA273	00NA271	ASBM	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	ITE : 0, 1	2
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	ITE : 0, 1	2
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	ITE : 0, 1	2
SAS Hot-Swap 2.5" Solid State Drives						
-	00AJ222*	-	1.6TB SAS 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
-	00AJ207	-	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
00AJ214	00AJ212	A4UB	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
00AJ219	00AJ217	A4UC	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
00FN381	-	AS7C	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	-	-	-
00FN391	-	AS7E	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	-	-	-
00FN401	-	AS7G	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	-	-	-
00FN411	-	AS7J	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	-	-	-
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	ITE : 0, 1	2

00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	ITE : 0, 1	2
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	ITE : 0, 1	2
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	ITE : 0, 1	2
SATA Hot-Swap 2.5" HDDs						
81Y9724	81Y9722	A1NX	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	SEN: 1...12	12
81Y9728	81Y9726	A1NZ	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	SEN: 1...12	12
81Y9732	81Y9730	A1AV	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	SFF	SEN: 1...12	12
-	00AJ131*	-	250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ138	00AJ136	A4TW	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00AJ143	00AJ141	A4TX	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	ITE : 0, 1	2
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	SFF	ITE : 0, 1	2
SATA Hot-Swap 2.5" Solid State Drives						
-	90Y8643*	-	256GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	SEN: 1...12	12
00AJ158	00AJ156	A4U3	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
00AJ163	00AJ161	A4U4	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
00AJ168	00AJ166	A4U5	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	ITE : 0, 1	2
00AJ357	-	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	SEN: 1...12	12
00AJ362	-	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	SEN: 1...12	12
00AJ367	-	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	SEN: 1...12	12
00AJ372	-	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	SEN: 1...12	12
00AJ397	00AJ395	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	ITE : 0, 1	2
00AJ402	00AJ400	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	ITE : 0, 1	2
00AJ407	00AJ405	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	ITE : 0, 1	2
00AJ412	00AJ410	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	ITE : 0, 1	2
-	00AJ186	-	S3500 800GB Enterprise Value SATA G3HS 2.5" SSD	-	-	-
-	00AJ181	-	S3500 480GB Enterprise Value SATA G3HS 2.5" SSD	-	-	-
-	00AJ176	-	S3500 240GB Enterprise Value SATA G3HS 2.5" SSD	-	-	-
-	00AJ171	-	S3500 120GB Enterprise Value SATA G3HS 2.5" SSD	-	-	-
SATA 1.8" Solid State Drives						
41Y8368	-	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0, 1, 2, 3	4
41Y8373	-	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	ITE : 0, 1, 2, 3	4
-	00AJ045*	-	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ457	00AJ455	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ337	00AJ335	A56V	120GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ342	00AJ340	A56W	240GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ347	00AJ345	A56X	480GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
00AJ352	00AJ350	A56Y	800GB SATA 1.8" MLC Enterprise Value SSD	SL	ITE : 0, 1, 2, 3	4
PCIe Solid State Drives for System x						
90Y3226	90Y3227	A5RW	P3600 400GB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	ITE : 0, 1	2
90Y3229	90Y3230	A5RX	P3600 800GB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	ITE : 0, 1	2
90Y3232	90Y3233	A5RY	P3600 1.6TB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	ITE : 0, 1	2
90Y3235	90Y3236	A5RZ	P3600 2.0TB NVMe 2.5" G3HS Enterprise Value PCIe SSD for System x	SFF	ITE : 0, 1	2
Enterprise Capacity MLC Solid State Drives						
00NA673	00NA671	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	ITE : 0, 1	2
SAS Hot-Swap 2.5" SED						
-	00NA306*	-	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
-	00NA296*	-	900GB 10K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
-	00NA286*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
-	00NA281*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
00NA293	00NA291	ASBR	600GB 10K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
00NA303	00NA301	ASBT	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2

00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	SFF	ITE : 0, 1	2
SAS Hot-Swap 2.5" Hybrid HDDs						
-	00NA321*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	-	-	-
-	00NA311*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	-	-	-
Associated HDD Options						
00JX176	00JX177	A5SH	NVMe Enterprise PCIe SSD Enablement Kit for Flex System x240 M5	-	-	-

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* Lenovo has withdrawn this product from marketing.

Flex System x240 M5 (9532)

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- At a glance
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Processor Memory HDD I/O

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
90Y4301	81Y4487	A1J4	ServeRAID M5100 Series 512MB Flash/RAID 5 Upgrade	-	-	-	-	-
90Y4302	81Y4559	A1WY	ServeRAID M5100 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
-	90Y4447*	-	ServeRAID M5100 Series SSD Caching Enabler for Flex System	-	-	-	-	-
-	90Y4412*	-	ServeRAID M5100 Series Performance Upgrade for Flex System	-	-	-	-	-
-	90Y4410*	-	ServeRAID M5100 Series RAID 6 Upgrade for Flex System	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
00AE630	00JX141	A5SF	ServeRAID M1200 RAID 5 Enablement Kit for Flex System x240 M5	-	-	-	-	-
00ML702	00ML700	AS2V	Blank SD Media for System x	-	-	-	-	-
00AE984	-	ARYK	1250GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
00AE987	-	ARYL	1600GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
00AE990	-	ARYM	3200GB Enterprise Value io3 Flash Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
00AE993	-	ARYN	6400GB Enterprise Value io3 Flash Adapter	Half	PCI-E x8	5, 6	N	2
00AE996	-	ARYP	1000GB Enterprise io3 Flash Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
00AE999	-	ARYQ	1300GB Enterprise io3 Flash Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
00JY002	-	ARYR	2600GB Enterprise io3 Flash Adapter	Half	PCI-E x4	5, 6, 7, 8	N	4
00JY005	-	ARYS	5200GB Enterprise io3 Flash Adapter	Half	PCI-E x8	5, 6	N	2
Networking								
-	88Y6370*	-	Flex System FC5022 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
49Y7903	49Y7900	A10Y	Flex System EN2024 4-port 1Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
69Y1939	69Y1938	A1BM	Flex System FC3172 2-port 8Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
90Y3455	90Y3454	A1QZ	Flex System IB6132 2-port FDR Infiniband Adapter	Mezzanine	PCIe	2,4	N	2
90Y3467	90Y3466	A1QY	Flex System EN4132 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
95Y2376	95Y2375	A2N5	Flex System FC3052 2-port 8Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
69Y1943	69Y1942	A1BQ	Flex System FC5172 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
90Y3483	90Y3482	A3HK	Flex System EN6132 2-port 40Gb Ethernet Adapter	Mezzanine	PCIe	1,2	N	2
95Y2387	95Y2386	A45R	Flex System FC5052 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
95Y2392	95Y2391	A45S	Flex System FC5054 4-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
00Y3307	00Y3306	A4K2	Flex System CN4054R 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
88Y5923	88Y5920	A4K3	Flex System CN4022 2-port 10Gb Converged Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
00AG533	00AG530	A5RN	Flex System EN4172 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
00JY801	00JY800	A5RP	Flex System CN4052 2-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
94Y5161	94Y5160	A4R6	Flex System CN4058S 8-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
94Y5165	94Y5164	A4R9	Flex System CN4058S Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
Systems Management								
-	68Y7030	-	Flex System Chassis Management Module	-	-	-	-	-
Video Adapters								
90Y2311	-	A1R4	NVIDIA Tesla M2090	Full	PCIe x16	5	N	1
47C2136	-	A5HD	NVIDIA Tesla K40 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
Other I/O								
90Y3560	90Y3558	A1R0	Flex System CN4054 Virtual Fabric Adapter (SW Upgrade)	-	-	-	-	-

90Y9279	68Y8588	A3JF	Flex System Storage Expansion Node	-	-	-	-	-
47C2123	-	A4F1	NVIDIA GRID K1 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
47C2124	-	A4F2	NVIDIA GRID K2 for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
47C2126	-	A4F4	Intel Xeon Phi 5110P for Flex System PCIe Expansion Node	Full	PCIe x16	5	N	1
81Y8979	-	A1BV	Flex System PCIe Expansion Node	-	-	-	-	-
00JY805	00JY804	A5RV	Flex System CN4052 Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
-	81Y8983	-	Flex System PCIe Expansion Node	-	-	-	-	-
-	00FJ669	-	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-

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* Lenovo has withdrawn this product from marketing.

Flex System x280/x480/x880 X6 Compute Node (7196)

Attention:

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- At a glance
- Options

Table 1. Flex System x280 X6 Compute Node (7196) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7196-A5Y	-	Intel Xeon Processor E7-2850 v2 12C 2.3GHz 24MB Cache 1600MHz 105W	2/2	32GB / 768GB	Y	N/A
7196-B5Y	-	Intel Xeon Processor E7-2880 v2 15C 2.5GHz 37.5MB Cache 1600MHz 130W	2/2	32GB / 768GB	Y	N/A
7196-C5Y	-	Intel Xeon Processor E7-2890 v2 15C 2.8GHz 37.5MB Cache 1600MHz 155W	2/2	32GB / 768GB	Y	N/A

Table 1. Flex System x280 X6 Compute Node (7196) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
7196-A5Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-B5Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-C5Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4

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Table 2. Flex System x480 X6 Compute Node (7196) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7196-15Y	-	Intel Xeon Processor E7-4809 v3 8C 2.1GHz 20MB 1333MHz 115W	2/2	32GB / 768GB	Y	N/A
7196-25Y	-	Intel Xeon Processor E7-4820 v3 10C 1.9GHz 25MB 1333MHz 115W	2/2	32GB / 768GB	Y	N/A
7196-33Y	-	Intel Xeon Processor E7-4830 v3 12C 2.1GHz 30MB 1600MHz 115W	2/2	32GB / 768GB	Y	N/A
7196-35Y	-	Intel Xeon Processor E7-4830 v3 12C 2.1GHz 30MB 1600MHz 115W	2/2	32GB / 768GB	Y	N/A
7196-45Y	-	Intel Xeon Processor E7-4850 v3 14C 2.2GHz 35MB 1600MHz 115W	2/2	32GB / 768GB	Y	N/A

Table 2. Flex System x480 X6 Compute Node (7196) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
7196-15Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-25Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-33Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-35Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-45Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4

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Table 3. Flex System x880 X6 Compute Node (7196) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7196-53Y	-	Intel Xeon Processor E7-8860 v3 16C 2.2GHz 40MB 1600MHz 140W	2/2	32GB / 768GB	Y	N/A
7196-55Y	-	Intel Xeon Processor E7-8860 v3 16C 2.2GHz 40MB 1600MHz 140W	2/2	32GB / 768GB	Y	N/A

7196-65Y	-	Intel Xeon Processor E7-8870 v3 18C 2.1GHz 45MB 1600MHz 140W	2/2	32GB / 768GB	Y	N/A
7196-75Y	-	Intel Xeon Processor E7-8880 v3 18C 2.3GHz 45MB 1600MHz 150W	2/2	32GB / 768GB	Y	N/A
7196-85Y	-	Intel Xeon Processor E7-8890 v3 18C 2.5GHz 45MB 1600MHz 165W	2/2	32GB / 768GB	Y	N/A

Table 3. Flex System x880 X6 Compute Node (7196) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	HDD Bays (Std/ Max)	Expansion Slots (Std/Max)
7196-53Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-55Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-65Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-75Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4
7196-85Y	-	LSI 3004 SAS	N/A	0GB / 4TB	0 / 2	0 / 4

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Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7196-B5Y is 7196-B5U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Flex System x280/x480/x880 X6 Compute Node (7196)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Processor options	Models support
x280 X6 Compute Node Standard processors				
00Y3969	-	A4E1	Intel Xeon Processor E7-2870 v2 15C 2.3GHz 30MB Cache 1600MHz 130W	-
00Y3963	-	A4E0	Intel Xeon Processor E7-2850 v2 12C 2.3GHz 24MB Cache 1600MHz 105W	A5Y
00Y3975	-	A4E2	Intel Xeon Processor E7-2880 v2 15C 2.5GHz 37.5MB Cache 1600MHz 130W	B5Y
00Y3981	-	A4E3	Intel Xeon Processor E7-2890 v2 15C 2.8GHz 37.5MB Cache 1600MHz 155W	C5Y
x480 X6 Compute Node Standard processors				
00FM381	-	ASNX	Intel Xeon Processor E7-4809 v3 8C 2.1GHz 20MB 1333MHz 115W	15Y
00FM385	-	ASNY	Intel Xeon Processor E7-4820 v3 10C 1.9GHz 25MB 1333MHz 115W	25Y
00FM389	-	ASNZ	Intel Xeon Processor E7-4830 v3 12C 2.1GHz 30MB 1600MHz 115W	33Y, 35Y
00FM393	-	ASP0	Intel Xeon Processor E7-4850 v3 14C 2.2GHz 35MB 1600MHz 115W	45Y
x880 X6 Compute Node Standard processors				
00MY600	-	ASP6	Intel Xeon Processor E7-8860 v3 16C 2.2GHz 40MB 1600MHz 140W	53Y, 55Y
00MY604	-	ASP7	Intel Xeon Processor E7-8870 v3 18C 2.1GHz 45MB 1600MHz 140W	65Y
00MY608	-	ASP9	Intel Xeon Processor E7-8880 v3 18C 2.3GHz 45MB 1600MHz 150W	75Y
00MY612	-	ASPA	Intel Xeon Processor E7-8890 v3 18C 2.5GHz 45MB 1600MHz 165W	85Y
00MY616	-	ASPC	Intel Xeon Processor E7-8893 v3 4C 3.2GHz 45MB 1600MHz 140W	-
00MY620	-	ASPB	Intel Xeon Processor E7-8891 v3 10C 2.8GHz 45MB 1600MHz 165W	-
00MY624	-	ASP5	Intel Xeon Processor E7-8867 v3 16C 2.5GHz 45MB 1600MHz 165W	-
00MY628	-	ASP8	Intel Xeon Processor E7-8880L v3 18C 2.0GHz 45MB 1600MHz 115W	-
x280 X6 Compute Node Additional processors				
00Y3970	-	A4DG	Addl Intel Xeon Proc E7-2870 v2 15C 2.3GHz 30MB Cache 1600MHz 130W	-
00Y3964	-	A4DF	Addl Intel Xeon Processor E7-2850 v2 12C 2.3GHz 24MB 1600MHz 105W	A5Y
00Y3976	-	A4DE	Addl Intel Xeon Proc E7-2880 v2 15C 2.5GHz 37.5MB Cache 1600MHz 130W	B5Y
00Y3982	-	A4DH	Addl Intel Xeon Proc E7-2890 v2 15C 2.8GHz 37.5MB Cache 1600MHz 155W	C5Y
x480 X6 Compute Node Additional processors				
00FM382	-	ASP1	Addl Intel Xeon Processor E7-4809 v3 8C 2.1GHz 20MB 1333MHz 115W	15Y
00FM386	-	ASP2	Addl Intel Xeon Processor E7-4820 v3 10C 1.9GHz 25MB 1333MHz 115W	25Y
00FM390	-	ASP3	Addl Intel Xeon Processor E7-4830 v3 12C 2.1GHz 30MB 1600MHz 115W	33Y, 35Y
00FM394	-	ASP4	Addl Intel Xeon Processor E7-4850 v3 14C 2.2GHz 35MB 1600MHz 115W	45Y
x880 X6 Compute Node Additional processors				
00MY601	-	ASPE	Addl Intel Xeon Processor E7-8860 v3 16C 2.2GHz 40MB 1600MHz 140W	53Y, 55Y
00MY605	-	ASPF	Addl Intel Xeon Processor E7-8870 v3 18C 2.1GHz 45MB 1600MHz 140W	65Y
00MY609	-	ASPH	Addl Intel Xeon Processor E7-8880 v3 18C 2.3GHz 45MB 1600MHz 150W	75Y
00MY613	-	ASPJ	Addl Intel Xeon Processor E7-8890 v3 18C 2.5GHz 45MB 1600MHz 165W	85Y
00MY617	-	ASPL	Addl Intel Xeon Processor E7-8893 v3 4C 3.2GHz 45MB 1600MHz 140W	-
00MY621	-	ASPK	Addl Intel Xeon Processor E7-8891 v3 10C 2.8GHz 45MB 1600MHz 165W	-
00MY625	-	ASPD	Addl Intel Xeon Processor E7-8867 v3 16C 2.5GHz 45MB 1600MHz 165W	-
00MY629	-	ASPG	Addl Intel Xeon Processor E7-8880L v3 18C 2.0GHz 45MB 1600MHz 115W	-

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Flex System x280/x480/x880 X6 Compute Node (7196)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
46W0671	-	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5023	-	A3QE	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
00D5035	-	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0675	-	A3SR	32GB (1x32GB, 4Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHz LP LRDIMM
Memory-channel storage			
00FE007	00FE005	A4GY	eXFlash 400GB DDR3 Storage DIMM
00FE002	00FE000	A4GX	eXFlash 200GB DDR3 Storage DIMM

Note:
1. Memory DIMMs supported by the x280, x480, x880 are Single Rank, Dual Rank, Quad Rank or Octal Rank using either 2Gb or 4Gb DIMM technology.

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration

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Flex System x280/x480/x880 X6 Compute Node (7196)

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• At a glance		• Options				
Processor Memory HDD I/O Pwr Acc						
SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AJ073	-	A4TN	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ083	-	A4TR	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ088	-	A4TU	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	0, 1	2
00AJ093	00AJ091	A4TM	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ098	00AJ096	A4TL	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ108	-	A4TY	300GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0, 1	2
00AJ113	00AJ111	A4TQ	146GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ123	00AJ121	A4TT	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ148	-	A4TP	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00AJ128	00AJ126	A4TS	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0, 1	2
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	-	-	-
00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	-	-	-
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	-	-	-
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	-	-	-
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	-	-	-
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	-	-	-
-	00NA271	-	1.8TB GSS 12Gb/s SAS 10K 512e 2.5in HDD	-	-	-
SAS Hot-Swap 2.5" Solid State Drives						
00AJ209	-	A4UA	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0, 1	2
00AJ214	-	A4UB	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0, 1	2
00AJ219	-	A4UC	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0, 1	2
SATA Hot-Swap 2.5" HDDs						
-	00AJ131*	-	250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0, 1	2
00AJ138	00AJ136	A4TW	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0, 1	2
00AJ143	00AJ141	A4TX	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0, 1	2
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	-	-	-
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	-	-	-
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	-	-	-
SATA Hot-Swap 2.5" Solid State Drives						
00AJ158	-	A4U3	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0, 1	2
00AJ163	-	A4U4	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0, 1	2
00AJ168	-	A4U5	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0, 1	2
00AJ397	-	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0, 1	2
00AJ402	-	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0, 1	2
00AJ407	-	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0, 1	2
00AJ412	-	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0, 1	2
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	-	-	-
00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	-	-	-
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	-	-	-
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	-	-	-
SATA 1.8" Solid State Drives						
41Y8368	-	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	US	0, 1, 7	8

41Y8373	-	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	US	0â€¸7	8
00AJ042	-	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	US	0â€¸7	8
00AJ052	-	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	US	0â€¸7	8
00AJ457	-	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	US	0â€¸7	8
SAS Hot-Swap 2.5" SED						
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	-	-	-
00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	-	-	-
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	-	-	-
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
0	2.5"	SFF	Y	HDD
1	2.5"	SFF	Y	HDD
0	1.8"	Ultra Slim	Y	SSD
1	1.8"	Ultra Slim	Y	SSD
2	1.8"	Ultra Slim	Y	SSD
3	1.8"	Ultra Slim	Y	SSD
4	1.8"	Ultra Slim	N	SSD
5	1.8"	Ultra Slim	N	SSD
6	1.8"	Ultra Slim	N	SSD
7	1.8"	Ultra Slim	N	SSD

* Lenovo has withdrawn this product from marketing.



Flex System x280/x480/x880 X6 Compute Node (7196)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
44T1176	44T1178	A4DC	ServeRAID M5100 Series Flex System Flash Kit for X6	-	-	-	-	-
44T1315	-	A4R3	ServeRAID M1200 Series Flex System Flash Kit for X6	-	-	-	-	-
Networking								
00Y3307	00Y3306	A4K2	Flex System CN4054R 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1,2	N	2
-	88Y6370*	-	Flex System FC5022 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
49Y7903	49Y7900	A10Y	Flex System EN2024 4-port 1Gb Ethernet Adapter	Mezzanine	PCIe	1,2	N	2
69Y1939	69Y1938	A1BM	Flex System FC3172 2-port 8Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
90Y3455	90Y3454	A1QZ	Flex System IB6132 2-port FDR Infiniband Adapter	Mezzanine	PCIe	2,4	N	2
90Y3467	90Y3466	A1QY	Flex System EN4132 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1,2,3,4	N	4
95Y2376	95Y2375	A2N5	Flex System FC3052 2-port 8Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
69Y1943	69Y1942	A1BQ	Flex System FC5172 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
90Y3483	90Y3482	A3HK	Flex System EN6132 2-port 40Gb Ethernet Adapter	Mezzanine	PCIe	1,2,3,4	N	4
95Y2387	95Y2386	A45R	Flex System FC5052 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
95Y2392	95Y2391	A45S	Flex System FC5054 4-port 16Gb FC Adapter	Mezzanine	PCIe	2	N	1
88Y5923	88Y5920	A4K3	Flex System CN4022 2-port 10Gb Converged Adapter	Mezzanine	PCIe	1,2,3,4	N	4
00AG533	00AG530	A5RN	Flex System EN4172 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1,2,3,4	N	4
00JY801	00JY800	A5RP	Flex System CN4052 2-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1,2,3,4	N	4
94Y5161	94Y5160	A4R6	Flex System CN4058S 8-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1,2	N	2
94Y5165	94Y5164	A4R9	Flex System CN4058S Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
00FM259	-	A5TM	Flex System X6 Embedded 10Gb Virtual Fabric Upgrade	-	-	-	-	-
Systems Management								
-	68Y7030	-	Flex System Chassis Management Module	-	-	-	-	-
Other I/O								
41Y8306	-	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
90Y3560	-	A1R0	Flex System CN4054 Virtual Fabric Adapter (SW Upgrade)	-	-	-	-	-
00Y3867	00Y3868	A4D7	Flex System X6 2-Socket Performance Accelerator	-	-	-	-	-
-	81Y5286	-	Flex System Console Breakout Cable	-	-	-	-	-
-	00JY804	-	Flex System CN4052 Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
-	00FJ669	-	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Slot 1 - Compute Node	PCI-E	-	-	-	x8	N	-
Slot 2 - Compute Node	PCI-E	-	-	-	x8	N	-
Slot 3 - Compute Node	PCI-E	-	-	-	x8	N	-
Slot 4 - Compute Node	PCI-E	-	-	-	x8	N	-

Flex System x280/x480/x880 X6 Compute Node (7196)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Associated Options			
00Y3870	00Y3871	A4D8	Flex System X6 4-Socket Scalability Connector
00Y3873	00Y3874	A4D9	Flex System X6 8-Socket Scalability Connector

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Flex System x280/x480/x880 X6 Compute Node (7903)

Attention:

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- At a glance
- Options

Table 1. Flex System x280 X6 Compute Node (7903) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7903-A2Y	-	Intel Xeon Processor E7-2850 v2 12C 2.3GHz 24MB Cache 1600MHz 105W	2	32Gb GB / 3TB	Y	N/A
7903-B2Y	-	Intel Xeon Processor E7-2880 v2 15C 2.5GHz 37.5MB Cache 1600MHz 130W	2	32Gb GB / 3TB	Y	N/A
7903-C2Y	-	Intel Xeon Processor E7-2890 v2 15C 2.8GHz 37.5MB Cache 1600MHz 155W	2	32Gb GB / 3TB	Y	N/A

Table 1. Flex System x280 X6 Compute Node (7903) at-a-glance (continued)

Part number1	Withdrawal date2	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
7903-A2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-B2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-C2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4

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Table 2. Flex System x480 X6 Compute Node (7903) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7903-D2Y	-	Intel Xeon Processor E7-4809 v2 6C 1.9GHz 12MB Cache 1333MHz 105W	2	32Gb GB / 3TB	Y	N/A
7903-H2Y	-	Intel Xeon Processor E7-4850 v2 12C 2.3GHz 24MB Cache 1600MHz 105W	2	32Gb GB / 3TB	Y	N/A
7903-L2Y	-	Intel Xeon Processor E7-4880 v2 15C 2.5GHz 37.5MB Cache 1600MHz 130W	2	32Gb GB / 3TB	Y	N/A
7903-F2Y	-	Intel Xeon Processor E7-4820 v2 8C 2.0GHz 16MB Cache 1600MHz 105W	2	32Gb GB / 3TB	Y	N/A
7903-G2Y	-	Intel Xeon Processor E7-4830 v2 10C 2.2GHz 20MB Cache 1600MHz 105W	2	32Gb GB / 3TB	Y	N/A
7903-J2Y	-	Intel Xeon Processor E7-4870 v2 15C 2.3GHz 30MB Cache 1600MHz 130W	2	32Gb GB / 3TB	Y	N/A
7903-M2Y	-	Intel Xeon Processor E7-4890 v2 15C 2.8GHz 37.5MB Cache 1600MHz 155W	2	32Gb GB / 3TB	Y	N/A

Table 2. Flex System x480 X6 Compute Node (7903) at-a-glance (continued)

Part number1	Withdrawal date2	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
7903-D2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-H2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-L2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-F2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-G2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-J2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-M2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4

Table 3. Flex System x880 X6 Compute Node (7903) at-a-glance

Part number1	Withdrawal date2	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/ max)	System Mgmt Processor	Integrated Ethernet
7903-N2Y	-	Intel Xeon Processor E7-8850 v2 12C 2.3GHz 24MB Cache 1600MHz 105W	2	32Gb GB / 3TB	Y	N/A
7903-Q2Y	-	Intel Xeon Processor E7-8880 v2 15C 2.5GHz 37.5MB Cache 1600MHz 130W	2	32Gb GB / 3TB	Y	N/A
7903-R2Y	-	Intel Xeon Processor E7-8890 v2 15C 2.8GHz 37.5MB Cache 1600MHz 155W	2	32Gb GB / 3TB	Y	N/A

Table 3. Flex System x880 X6 Compute Node (7903) at-a-glance (continued)

Part number1	Withdrawal date2	Storage controller	Internal HDD interface	Internal HDD storage (std/ max)	HDD Bays (Std/ Max)	Expansion Slots (Std/Max)
7903-N2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4
7903-Q2Y	-	LSI 3004 SAS	N/A	0Gb / 2.4TB	0 / 2	0 / 4
7903-R2Y	-	LSI 3004 SAS	N/A	0GB / 2.4TB	0 / 2	0 / 4

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Notes:

1. Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7903-D2Y is 7903-D2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
2. Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Flex System x280/x480/x880 X6 Compute Node (7903)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc				
SBB number	Option number	Feature code	Processor options	Models support

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Flex System x280/x480/x880 X6 Compute Node (7903)

Attention:

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
-	46W0672	-	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5036	-	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	00D5024	-	4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
-	46W0741*	-	64GB (1x64GB, 8Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM1
-	46W0676	-	32GB (1x32GB, 4Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHz LP LRDIMM1

Note:

- Dual Rank ("This memory DIMM is "technically" Quad Rank but when installed in Flex System x280/x480/x880 X6, it functions as Dual Rank")

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
D2Y	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
H2Y	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
L2Y	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM

Table 2. DIMM Installation Order - Mirrored Channel Mode

DIMMs Installed	Plug Location (DIMM slot)
1	DIMMs 1, 4, 25 & 28
2	DIMMs 21, 24, 45 & 48
3	DIMMs 7, 10, 33 & 36
4	DIMMs 15, 18, 37 & 40
5	DIMMs 2, 5, 26 & 29
6	DIMMs 20, 23, 44 & 47
7	DIMMs 8, 11, 32 & 35
8	DIMMs 14, 17, 38 & 41
9	DIMMs 3, 6, 27 & 30
10	DIMMs 19, 22, 43 & 46
11	DIMMs 9, 12, 31 & 34
12	DIMMs 13, 16, 39 & 42

Note:

- Enabled when Memory Mirroring (SBB 01R0862 /FC 9017) is selected.
- Channels are paired within each SMI2 channel (Jordan Creek), as in Lockstep Mode, and memory is mirrored in corresponding DIMM slots across the SMI2 channels (Jordan Creeks) within the memory controller on each processor.
- Each mirrored pair consists of four DDR3 channels across two SMI2 channels (Jordan Creeks) (refer to the image below):
 - Ch0 and ch1 on both Jordan Creek 0 & 1 is Mirror Pair 0
 - Ch0 and ch1 on both Jordan Creek 2 & 3 is Mirror Pair 1
- DIMMs installed within a DDR3 channel in a mirror pair must be populated with the same DIMM part numbers across all four DDR3 channels in the pair.
- Each mirror pair can have different DIMMs than any other mirror pair (ie: all DDR3 channels in Jordan Creeks 0 & 1 in Mirror Pair 0 must have identical DIMMs. The same is true for all DDR3 channels in Mirror Pair 1. However, DIMMs in Mirror Pair 0 do not have to be identical to the DIMMs in Mirror Pair 1.)

Table 3. DIMM Installation Order - Performance and Mirrored Channel Mode

DIMMs Installed	Plug Location (DIMM slot)
1	DIMMs 4 & 28
2	DIMMs 21 & 45
3	DIMMs 10 & 33
4	DIMMs 15 & 40
5	DIMMs 1 & 25
6	DIMMs 24 & 48
7	DIMMs 7 & 36
8	DIMMs 18 & 37
9	DIMMs 5 & 29
10	DIMMs 20 & 44
11	DIMMs 11 & 32
12	DIMMs 14 & 41
13	DIMMs 2 & 26
14	DIMMs 23 & 47
15	DIMMs 8 & 35
16	DIMMs 17 & 38
17	DIMMs 6 & 30
18	DIMMs 19 & 43
19	DIMMs 12 & 31
20	DIMMs 13 & 42
21	DIMMs 3 & 27
22	DIMMs 22 & 46
23	DIMMs 9 & 34
24	DIMMs 16 & 39

- Note:**
1. Enabled when Performance Memory Configuration (SBB 31R3773 / FC 8957) and Memory Mirroring (SBB 01R0862 / FC 9017) are both selected.
 2. Memory is mirrored in corresponding DIMM slots across the SMI2 channels (Jordan Creeks) within the memory controller on each processor.

Table 4. DIMM Installation Order (Independent Channel Mode)

DIMMs Installed	Plug Location (DIMM slot)
1	DIMM 28
2	DIMM 45
3	DIMM 10
4	DIMM 15
5	DIMM 4
6	DIMM 21
7	DIMM 33
8	DIMM 40
9	DIMM 25
10	DIMM 48
11	DIMM 7
12	DIMM 18
13	DIMM 1
14	DIMM 24
15	DIMM 36
16	DIMM 37
17	DIMM 29
18	DIMM 44
19	DIMM 11
20	DIMM 14
21	DIMM 5
22	DIMM 20
23	DIMM 32
24	DIMM 41
25	DIMM 26

26	DIMM 47
27	DIMM 8
28	DIMM 17
29	DIMM 2
30	DIMM 23
31	DIMM 35
32	DIMM 38
33	DIMM 30
34	DIMM 43
35	DIMM 12
36	DIMM 13
37	DIMM 6
38	DIMM 19
39	DIMM 31
40	DIMM 42
41	DIMM 27
42	DIMM 46
43	DIMM 9
44	DIMM 16
45	DIMM 3
46	DIMM 22
47	DIMM 34
48	DIMM 39

- Note:**
1. Enabled when Performance Memory Configuration (SBB 31R3773 /FC 8957) is selected.
 2. DIMMs can be populated in any order and have no matching requirements, but they have to be populated in slot 0, 1, 2 order within any DDR3 channel.
 3. Although DIMMs may be populated in any order, the table below yields the best performance when operating in Independent Channel Mode.

Table 5. DIMM Installation Order (Lockstep Mode)

DIMMs Installed	Plug Location (DIMM slot)
1	25 & 28
2	45 & 48
3	7 & 10
4	15 & 18
5	1 & 4
6	21 & 24
7	33 & 36
8	37 & 40
9	26 & 29
10	44 & 47
11	8 & 11
12	14 & 17
13	2 & 5
14	20 & 23
15	32 & 35
16	38 & 41
17	27 & 30
18	43 & 46
19	9 & 12
20	13 & 16
21	3 & 6
22	19 & 22
23	31 & 34
24	39 & 42

- Note:**
1. This plug order is based on adding pairs of DIMMs for each Jordan Creek DDR channel.

Configuration	DIMM Slot 0 (Far DIMM)	DIMM Slot 1 (Middle DIMM)	DIMM Slot 2 (Near DIMM)
RDIMMs			
1	Dual-Rank (Spare)	Empty	Empty
2	Single-Rank (Spare)	Single-Rank	Empty
3	Dual-Rank (Spare)	Single-Rank	Empty
4	Dual-Rank	Dual-Rank (Spare)	Empty
5	Single-Rank (Spare)	Single-Rank	Single-Rank
6	Dual-Rank (Spare)	Single-Rank	Single-Rank
7	Dual-Rank	Dual-Rank (Spare)	Single-Rank
8	Dual-Rank	Dual-Rank	Dual-Rank (Spare)
LR-DIMMs			
9	Quad-Rank (Spare)	Empty	Empty
10	Quad-Rank (Spare)	Quad-Rank	Empty
11	Quad-Rank (Spare)	Quad-Rank	Quad-Rank
12	Octal-Rank (Spare)	Empty	Empty
13	Octal-Rank (Spare)	Quad-Rank	Empty
14	Octal-Rank (Spare)	Octal-Rank	Empty
15	Octal-Rank (Spare)	Quad-Rank	Quad-Rank
16	Octal-Rank (Spare)	Octal-Rank	Quad-Rank
17	Octal-Rank (Spare)	Octal-Rank	Octal-Rank

- Note:**
- 1. Enabled when Memory Sparing (SBB 48P8053/ FC 9016) is selected.
 - 2. Memory Sparing (SBB 48P8053/ FC 9016) and Memory Mirroring (SBB 01R0862 / FC 9017) are mutually exclusive. Both Memory Sparing (SBB 48P8053/ FC 9016) and Memory Mirroring (SBB 01R0862 / FC 9017) cannot be enabled in the same configuration.
 - 3. Multi-rank (Dual Rank, Quad Rank or Octal Rank) DIMMs are capable of sparing within their own ranks.
 - 4. A minimum of two ranks (two single rank DIMMs or one multi-rank DIMM) per populated DDR3 channel is required to support memory sparing.
 - 5. When Memory Sparing AND Performance Memory Configuration (SBB 31R3773 / FC 8957) are both selected, DIMMs are to be installed following the Independent Mode DIMM installation order.
 - 6. When Memory Sparing is selected and Performance Memory Configuration (SBB 31R3773 /FC 8957) is NOT selected, DIMMs are to be installed following the Lockstep Mode DIMM installation order.
 - 7. If a Quad Rank or Octal Rank DIMM is installed, it has to be in a slot at the end of the DDR3 channel (the far DIMM - DIMM slot 0).

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* Lenovo has withdrawn this product from marketing.

Flex System x280/x480/x880 X6 Compute Node (7903)

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
-	00AJ151*	-	1.2TB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0,1	2
-	00AJ146	-	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ121	-	500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ116*	-	146GB 15K 6Gbps SAS 2.5" G3HS SED	SFF	0,1	2
-	00AJ111	-	146GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ106	-	300GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0,1	2
-	00AJ101*	-	600GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0,1	2
-	00AJ096	-	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ091	-	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ086	-	1TB 7.2K 6Gbps NL SAS 2.5 G3HS HDD	SFF	0,1	2
-	00AJ081	-	300GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ076*	-	900GB 10K 6Gbps SAS 2.5" G3HS SED	SFF	0,1	2
-	00AJ071	-	900GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
-	00AJ126	-	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	0,1	2
00NA223	-	ASBB	300GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA233	-	ASBD	600GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA243	-	ASBF	600GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA253	-	ASBH	900GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA263	-	ASBK	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
00NA273	-	ASBM	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	-	-	-
SAS Hot-Swap 2.5" Solid State Drives						
-	00AJ222*	-	1.6TB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
-	00AJ217	-	800GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
-	00AJ212	-	400GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
-	00AJ207	-	200GB SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
00FN381	-	AS7C	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
00FN391	-	AS7E	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
00FN401	-	AS7G	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
00FN411	-	AS7J	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
SATA Hot-Swap 2.5" HDDs						
-	00AJ141	-	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0,1	2
-	00AJ136	-	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0,1	2
-	00AJ131*	-	250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	0,1	2
SATA Hot-Swap 2.5" Solid State Drives						
-	00AJ166	-	S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
-	00AJ161	-	S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
-	00AJ156	-	S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD	SFF	0,1	2
00AJ397	-	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0,1	2
00AJ402	-	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0,1	2
00AJ407	-	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0,1	2
00AJ412	-	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0,1	2
00FN280	-	A5U6	S3500 1.6TB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	0,1	2

SATA 1.8" Solid State Drives						
-	00AJ455	-	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	-	-	-
Enterprise Capacity MLC Solid State Drives						
00NA673	-	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	0,1	2
SAS Hot-Swap 2.5" SED						
00NA293	-	ASBR	600GB 10K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-
00NA303	-	ASBT	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e SED	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
ITE				
0	2.5"	SFF	Y	HDD
1	2.5"	SFF	Y	HDD
0	1.8"	Ultra Slim	Y	SSD
1	1.8"	Ultra Slim	Y	SSD
2	1.8"	Ultra Slim	Y	SSD
3	1.8"	Ultra Slim	Y	SSD
4	1.8"	Ultra Slim	N	SSD
5	1.8"	Ultra Slim	N	SSD
6	1.8"	Ultra Slim	N	SSD
7	1.8"	Ultra Slim	N	SSD

* Lenovo has withdrawn this product from marketing.

Flex System x280/x480/x880 X6 Compute Node (7903)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Networking								
-	95Y2375	-	Flex System FC3052 2-port 8Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
-	90Y3466	-	Flex System EN4132 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1,2,3,4	N	4
-	90Y3454	-	Flex System IB6132 2-port FDR Infiniband Adapter	Mezzanine	PCIe	2,4	N	2
-	88Y6370*	-	Flex System FC5022 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
-	69Y1938	-	Flex System FC3172 2-port 8Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
-	49Y7900	-	Flex System EN2024 4-port 1Gb Ethernet Adapter	Mezzanine	PCIe	1,2	N	2
-	95Y2391	-	Flex System FC5054 4-port 16Gb FC Adapter	Mezzanine	PCIe	2	N	1
-	95Y2386	-	Flex System FC5052 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
-	90Y3482	-	Flex System EN6132 2-port 40Gb Ethernet Adapter	Mezzanine	PCIe	1,2,3,4	N	4
-	69Y1942	-	Flex System FC5172 2-port 16Gb FC Adapter	Mezzanine	PCIe	2,4	N	2
-	88Y5920	-	Flex System CN4022 2-port 10Gb Converged Adapter	Mezzanine	PCIe	1,2,3,4	N	4
-	00Y3306	-	Flex System CN4054R 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1,2	N	2
-	00AG530	-	Flex System EN4172 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1,2,3,4	N	4
Systems Management								
-	68Y7030	-	Flex System Chassis Management Module	-	-	-	-	-
Other I/O								
-	41Y8298	-	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
-	90Y3558	-	Flex System CN4054 Virtual Fabric Adapter (SW Upgrade)	-	-	-	-	-
-	41Y8311*	-	USB Memory Key for VMWare ESXi 5.1	-	-	-	-	-
-	00FJ669	-	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Slot 1 - Compute Node	PCI-E	-	-	-	x8	N	-
Slot 2 - Compute Node	PCI-E	-	-	-	x8	N	-
Slot 3 - Compute Node	PCI-E	-	-	-	x8	N	-
Slot 4 - Compute Node	PCI-E	-	-	-	x8	N	-

* Lenovo has withdrawn this product from marketing.



Flex System x280/x480/x880 X6 Compute Node (7903)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
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Flex System x440 Compute Node v2(7167)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. Flex System x440 Compute Node v2(7167) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
7167-G2Y	-	Intel Xeon Processor E5-4607 v2 6C 2.6GHz 15MB Cache 1333MHz 95W	1/4	16GB / 1536GB	Y	N/A
7167-H2Y	-	Intel Xeon Processor E5-4610 v2 8C 2.3GHz 16MB Cache 1600MHz 95W	1/4	16GB / 1536GB	Y	N/A
7167-J2Y	-	Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB Cache 1600MHz 95W	1/4	16GB / 1536GB	Y	N/A
7167-J4Y	-	Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB Cache 1600MHz 95W	1/4	16GB / 1536GB	Y	N/A
7167-L2Y	-	Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB Cache 1866MHz 95W	1/4	16GB / 1536GB	Y	N/A
7167-M2Y	-	Intel Xeon Processor E5-4657L v2 12C 2.4GHz 30MB Cache 1866MHz 115W	1/4	16GB / 1536GB	Y	N/A

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Table 1. Flex System x440 Compute Node v2(7167) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Cards (Std/Max)
7167-G2Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
7167-H2Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
7167-J2Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
7167-J4Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	1 / 4
7167-L2Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4
7167-M2Y	-	LSI 2004 SAS	N/A	0GB / 2TB	0 / 2	0 / 4

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 7167-G2Y is 7167-G2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.

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Flex System x440 Compute Node v2(7167)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
47C2300	-	AS4X	Intel Xeon Processor E5-4607 v2 6C 2.6GHz 15MB Cache 1333MHz 95W	G2Y
47C2304	-	AS4Y	Intel Xeon Processor E5-4610 v2 8C 2.3GHz 16MB Cache 1600MHz 95W	H2Y
47C2308	-	AS4Z	Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB Cache 1600MHz 95W	J2Y, J4Y
47C2316	-	AS50	Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB Cache 1866MHz 95W	L2Y
47C2320	-	AS51	Intel Xeon Processor E5-4627 v2 8C 3.3GHz 16MB Cache 1866MHz 130W	-
47C2328	-	AS52	Intel Xeon Processor E5-4657L v2 12C 2.4GHz 30MB Cache 1866MHz 115W	M2Y
Additional processor				
00FM321	00FM322	AS54	Addl Intel Xeon Processor E5-4607 v2 6C 2.6GHz 15MB 1333MHz 95W R	-
00FM323	00FM324	AS56	Addl Intel Xeon Processor E5-4610 v2 8C 2.3GHz 16MB 1600MHz 95W R	-
00FM325	00FM326	AS58	Addl Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB 1600MHz 95W R	-
00FM327	00FM328	AS5A	Addl Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB 1866MHz 95W R	-
00FM329	00FM330	AS5E	Addl Intel Xeon Processor E5-4657L v2 12C 2.4GHz 30MB 1866MHz 115W R	-
00FM342	00FM343	AS5C	Addl Intel Xeon Processor E5-4627 v2 8C 3.3GHz 16MB 1866MHz 130W R	-
47C2301	47C2303	AS53	Addl Intel Xeon Processor E5-4607 v2 6C 2.6GHz 15MB 1333MHz 95W F	-
47C2305	47C2307	AS55	Addl Intel Xeon Processor E5-4610 v2 8C 2.3GHz 16MB 1600MHz 95W F	-
47C2309	47C2311	AS57	Addl Intel Xeon Processor E5-4620 v2 8C 2.6GHz 20MB 1600MHz 95W F	-
47C2317	47C2319	AS59	Addl Intel Xeon Processor E5-4650 v2 10C 2.4GHz 25MB 1866MHz 95W F	-
47C2321	47C2323	AS5B	Addl Intel Xeon Processor E5-4627 v2 8C 3.3GHz 16MB 1866MHz 130W F	-
47C2329	47C2331	AS5D	Addl Intel Xeon Processor E5-4657L v2 12C 2.4GHz 30MB 1866MHz 115W F	-

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Flex System x440 Compute Node v2(7167)

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- At a glance
- Options

Processor **Memory** HDD I/O

SBB number	Option number	Feature code	Memory description
Memory DIMMs			
00D5035	00D5036	A3QH	8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0671	46W0672	A3QM	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM
46W0760	46W0761	A47K	32GB (1x32GB, 4Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP LRDIMM

- Notes:**
- DIMMs supported by x440 are either Single Rank, Dual Rank, or Quad Rank using either 2Gb or 4Gb DIMM technology. x440 processors will only support a max of eight ranks on a single DIMM channel (ie: two Quad Rank DIMMs would max one channel of the CPU).
 - x440 has 4 DDR3 channels per CPU, with 3 DIMMs per channel.
 - Mixing of LRDIMMs, RDIMMs, and UDIMMs is not allowed.
 - 1600MHz DIMMs will operate at 1066MHz when memory is populated at 3 DIMMs per channel.
 - There are three channel modes supported, and DIMM population depends on the channel mode used. "Independent Mode", "Mirrored Mode", and "Rank Sparing Mode".
 - When Quad Rank DIMMs are selected: The maximum qty of DIMMs supported with 1 CPU = 8, The maximum qty of DIMMs supported with 2 CPUs = 16, The maximum qty of DIMMs supported with 4 CPUs = 32.

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
G2Y, H2Y, J2Y, J4Y, L2Y, M2Y	16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM

Table 2. DIMM population order for Independent Channel Mode

CPU	Slot
One CPU	4, 1, 9, 12, 5, 2, 8, 11, 6, 3, 7, 10
Two CPUs	4, 16, 1, 13, 9, 21, 12, 24, 5, 17, 2, 14, 8, 20, 11, 23, 6, 18, 3, 15, 7, 19, 10, 22
Four CPUs	4, 16, 33, 45, 1, 13, 36, 48, 9, 21, 28, 40, 12, 24, 25, 37, 5, 17, 32, 44, 2, 14, 35, 47, 8, 20, 29, 41, 11, 23, 26, 38, 6, 18, 31, 43, 3, 15, 34, 46, 7, 19, 30, 42, 10, 22, 27, 39

- Note:**
- DIMMs are to be populated in the last DIMM connector on the channel first, then installed one DIMM per channel equally distributed between channels and CPUs.

Table 3. DIMM population order for Mirrored Channel Mode

CPU	Slot
One CPU	[1, 4], [9, 12], [2, 5], [8, 11], [3, 6], [7, 10]
Two CPUs	[1, 4], [13, 16], [9, 12], [21, 24], [2, 5], [14, 17], [8, 11], [20, 23], [3, 6], [15, 18], [7, 10], [19, 22]
Four CPUs	[1, 4], [13, 16], [33, 36], [45, 48], [9, 12], [21, 24], [25, 28], [37, 40], [2, 5], [14, 17], [32, 35], [44, 47], [8, 11], [20, 23], [26, 29], [38, 41], [3, 6], [15, 18], [31, 34], [43, 46], [7, 10], [19, 22], [27, 30], [39, 42]

- Note:**
- Enabled when Memory Mirroring (SBB 01R0862 /FC 9017) is selected. Memory is mirrored between Ch 0 and Ch 1 and between Ch 2 and 3 on each processor installed. When memory mirroring is enabled, memory on Ch 0 and Ch 1 and on Ch 2 and Ch 3 must be populated with the same DIMM part number. Each memory channel pair can have different DIMMs, however the mirrored channels must have matching DIMMs.

Table 4. DIMM population order for Rank Sparing

CPU	Slot
One CPU	4, 5, 6, 1, 2, 3, 9, 8, 7, 12, 11, 10
Two CPUs	4, 5, 6, 16, 17, 18, 1, 2, 3, 13, 14, 15, 9, 8, 7, 21, 20, 19, 12, 11, 10, 24, 23, 22
Four CPUs	4, 5, 6, 16, 17, 18, 33, 32, 31, 45, 44, 43, 1, 2, 3, 13, 14, 15, 36, 35, 34, 48, 47, 46, 9, 8, 7, 21, 20, 19, 28, 29, 30, 40, 41, 42, 12, 11, 10, 24, 23, 22, 25, 26, 27, 37, 38, 39

Note:

- 1. Enabled when Memory Sparing (SBB 48P8053 / FC 9016) is selected.
When Rank Sparing is enabled, the largest rank, near-most DIMM installed in the channel acts as the spare rank.
If only single rank and/or dual rank RDIMMs are selected, populate DIMMs as diagrammed. A minimum of two DIMMs per channel must be populated in order to have a valid Rank Sparing configuration.
If Quad rank DIMMs are selected in the config, use DIMM population rules for Independent channel Mode.
Quad rank DIMMs are capable of Sparing within their own ranks and can be installed one DIMM at A time. If A Quad rank DIMM is installed, it has to be populated at the end of the Memory channel.
If using LR-DIMMs and more than eight ranks are installed in the channel, two or four ranks are used as spare ranks when Rank Sparing is enabled.

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Flex System x440 Compute Node v2(7167)

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- At a glance
- Options

Processor Memory **HDD** I/O

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
81Y9652	81Y9650	A282	900GB 10K 6Gbps SAS 2.5" SFF HS HDD	SFF	1, 2	2
81Y9672	81Y9670	A283	300GB 15K 6Gbps SAS 2.5" G2HS HDD	SFF	1, 2	2
90Y8874	-	A2XD	600GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	1, 2	2
90Y8879	-	A2XC	300GB 10K 6Gbps SAS 2.5" SFF G2HS HDD	SFF	1, 2	2
90Y8955	-	A2XE	500GB 7.2K 6Gbps NL SAS 2.5" SFF G2HS HDD	SFF	1, 2	2
90Y8915	-	A2XF	300GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	1, 2	2
81Y9664	-	A3EG	900GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	1, 2	2
90Y8910	-	A3EF	600GB 10K 6Gbps SAS 2.5" SFF G2HS SED	SFF	1, 2	2
00AD077	-	A48S	1.2TB 10K 6Gbps SAS 2.5 G2HS HDD	SFF	1, 2	2
00AD087	-	A48T	1.2TB 10K 6Gbps SAS 2.5 G2HS SED	SFF	1, 2	2
00AJ302	-	A4VB	600GB 15K 6Gbps SAS 2.5 G2HS HDD	SFF	1, 2	2
SAS Hot-Swap 2.5" Solid State Drives						
49Y6131	-	A3EW	200GB SAS 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
49Y6136	-	A3EY	400GB SAS 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
49Y6141	-	A3F0	800GB SAS 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
49Y6197	-	A4GH	1.6TB SAS 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
SATA Hot-Swap 2.5" HDDs						
-	81Y9730	-	1TB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	-	-	-
-	81Y9726	-	500GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	-	-	-
-	81Y9722	-	250GB 7.2K 6Gbps NL SATA 2.5" SFF HS HDD	-	-	-
SATA Hot-Swap 2.5" Solid State Drives						
41Y8333	-	A4FL	S3700 200GB SATA 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
41Y8338	-	A4FN	S3700 400GB SATA 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
41Y8343	-	A4FQ	S3700 800GB SATA 2.5" MLC HS Enterprise SSD	SFF	1, 2	2
00AJ002	-	A4KM	S3500 120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ007	-	A4KN	S3500 240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ012	-	A4KP	S3500 480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ017	-	A4KQ	S3500 800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ357	-	A56Z	120GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ362	-	A570	240GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ367	-	A571	480GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00AJ372	-	A572	800GB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
00FN270	-	A5U4	S3500 1.6TB SATA 2.5" MLC HS Enterprise Value SSD	SFF	1, 2	2
SATA 1.8" Solid State Drives						
41Y8368	41Y8366	A4FS	S3700 200GB SATA 1.8" MLC Enterprise SSD	SL	1â€¦7	8
41Y8373	41Y8371	A4FT	S3700 400GB SATA 1.8" MLC Enterprise SSD	SL	1â€¦7	8
-	00AJ045*	-	S3500 240GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¦7	8
00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¦7	8
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¦7	8
00AJ457	-	A58U	S3500 800GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¦7	8
00AJ337	-	A56V	120GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¦7	8
00AJ342	-	A56W	240GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¦7	8

00AJ347	-	A56X	480GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¢7	8
00AJ352	-	A56Y	800GB SATA 1.8" MLC Enterprise Value SSD	SL	1â€¢7	8

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
0 (bottom)	2.5"	SFF	Y	HDD
1 (top)	2.5"	SFF	Y	HDD
0 (bottom)	2.5"	SFF	Y	HDD
1 (top)	2.5"	SFF	Y	HDD
4 (left)	1.8"	Ultra Slim	N	SSD
5 (left)	1.8"	Ultra Slim	N	SSD
6 (right)	1.8"	Ultra Slim	N	SSD
7 (right)	1.8"	Ultra Slim	N	SSD
0 (front, bottom)	1.8"	Ultra Slim	Y	SSD
1 (front)	1.8"	Ultra Slim	Y	SSD
2 (front)	1.8"	Ultra Slim	Y	SSD
3 (front, top)	1.8"	Ultra Slim	Y	SSD
4 (left)	1.8"	Ultra Slim	N	SSD
5 (left)	1.8"	Ultra Slim	N	SSD
6 (right)	1.8"	Ultra Slim	N	SSD
7 (right)	1.8"	Ultra Slim	N	SSD

* Lenovo has withdrawn this product from marketing.

Flex System x440 Compute Node v2(7167)

Attention:

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- At a glance
- Options

Processor Memory HDD I/O

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
90Y4392	90Y4390	A2XW	ServeRAID M5115 SAS/SATA Controller for Flex System	Mezzanine	PCIe	1	N	1
46C9033	46C9030	A3DS	ServeRAID M5100 Series Enablement Kit for Flex System x440	-	-	-	-	-
46C9035	46C9032*	A3DU	ServeRAID M5100 Series SSD Expansion Kit for Flex System x440	-	-	-	-	-
-	47C8809	-	ServeRAID M5100 Series Flex System Flash Kit v2 for x440	-	-	-	-	-
Networking								
49Y7903	49Y7900	A10Y	Flex System EN2024 4-port 1Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
69Y1939	69Y1938	A1BM	Flex System FC3172 2-port 8Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
95Y2376	95Y2375	A2N5	Flex System FC3052 2-port 8Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
69Y1943	69Y1942	A1BQ	Flex System FC5172 2-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
95Y2392	95Y2391	A45S	Flex System FC5054 4-port 16Gb FC Adapter	Mezzanine	PCIe	2, 3, 4	N	2
00Y3307	00Y3306	A4K2	Flex System CN4054R 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
00AG533	00AG530	A5RN	Flex System EN4172 2-port 10Gb Ethernet Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
00JY801	00JY800	A5RP	Flex System CN4052 2-port 10Gb Virtual Fabric Adapter	Mezzanine	PCIe	1, 2, 3, 4	N	4
Systems Management								
-	68Y7030	-	Flex System Chassis Management Module	-	-	-	-	-
Other I/O								
41Y8306	-	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00Y6878	-	A4WZ	USB Memory Key for VMWare ESXi 5.1 Update 1	-	-	-	-	-
00ML202	-	A5R7	32GB Enterprise Value USB Memory Key	-	-	-	-	-
90Y3560	-	A1R0	Flex System CN4054 Virtual Fabric Adapter (SW Upgrade)	-	-	-	-	-
00JY805	00JY804	A5RV	Flex System CN4052 Virtual Fabric Adapter SW Upgrade (FoD)	-	-	-	-	-
-	00FJ669	-	Lenovo Flex System Redundant Chassis Management Module 2	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Slot 1 - ITE Server	x16 PCIe	-	-	-	x16	N	-
Slot 2 - ITE Server	x16 PCIe	-	-	-	x16	N	-
Slot 3 - ITE Server	x16 PCIe	-	-	-	x16	N	-
Slot 4 - ITE Server	x16 PCIe	-	-	-	x16	N	-

* Lenovo has withdrawn this product from marketing.

NeXtScale n1200 Enclosure Chassis (5456)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Table 1. NeXtScale n1200 Enclosure Chassis (5456) at-a-glance

Part number1	Withdrawal date2	Form Factor (Width/Depth)	Power Modules	Power Modules (Std/Max) (Line cord)	Hot-Swap (Power, Bays, Blowers)	Redundancy (Optional,Standard)
5456-A2Y	30 June 2015	Rack (6U) 17.6in x 31.5in	5400W (900W)	6 / 6	P	Standard
5456-A3Y	30 June 2015	Rack (6U) 17.6in x 31.5in	2600W (1300W)	2 / 6	P	Standard
5456-A4Y	30 June 2015	Rack (6U) 17.6in x 31.5in	7800W (1300W)	6 / 6	P	Standard
5456-B2Y	-	Rack (6U) 17.6in x 31.5in	5400W (900W)	6 / 6	P	Standard
5456-B3Y	-	Rack (6U) 17.6in x 31.5in	2600W (1300W)	2 / 6	P	Standard
5456-B4Y	-	Rack (6U) 17.6in x 31.5in	7800W (1300W)	6 / 6	P	Standard

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Table 1. NeXtScale n1200 Enclosure Chassis (5456) at-a-glance (continued)

Part number1	Withdrawal date2	Fan Power Controller (Std/Max)	I/O Module Bays (Total/Avail)	Optical Drive	Diskette Drive	Node Bays (Total/Avail)
5456-A2Y	30 June 2015	1 / 1	N/A	N/A	N/A	12 / 12
5456-A3Y	30 June 2015	1 / 1	N/A	N/A	N/A	12 / 12
5456-A4Y	30 June 2015	1 / 1	N/A	N/A	N/A	12 / 12
5456-B2Y	-	1 / 1	N/A	N/A	N/A	12 / 12
5456-B3Y	-	1 / 1	N/A	N/A	N/A	12 / 12
5456-B4Y	-	1 / 1	N/A	N/A	N/A	12 / 12

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5456-A2Y is 5456-A2U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
- Withdrawal dates are provided for U.S. and Canada only. Business Partner Inventory may be available.
- Mixing nx360 M4 Compute Node Type 5455 and nx360 M5 Compute Node Type 5465 in n1200 Enclosure is not supported.

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NeXtScale n1200 Enclosure Chassis (5456)

Attention:

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- At a glance
- Options

Pwr Acc

SBB number	Option number	Feature code	Description
Power			
00W2521	00Y8569	A41T	CFF 900W Power Supply
00Y8651	00Y8652	A4MM	NeXtScale n1200 CFF 1300W Power Supply
00KG647	00KG685	ASGJ	CFF -48V DC 900W Power Supply
Power Distribution Units			
-	39Y8948	-	Enterprise C19 PDU
-	39Y8941	-	Enterprise C13 PDU
-	39Y8940	-	DPI 60amp/250V Front-end PDU with IEC 309 2P+Gnd connector
-	39Y8939	-	DPI 30amp/250V Front-end PDU with NEMA L6-30P
-	39Y8938	-	DPI 30amp/125V Front-end PDU with NEMA L5-30P
-	39Y8923	-	Enterprise C19 3 phase PDU (60a)
-	39M2816	-	Dpi C13 PDU+
-	71763NU	-	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph
-	71762NX	-	IBM Ultra Density Enterprise C19/C13 PDU Module
-	46M4005	-	1U 12 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4004	-	1U 12 C13 Switched and Monitored DPI PDU
-	46M4003	-	1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU
-	46M4002	-	1U 9 C19/3 C13 Switched and Monitored DPI PDU
-	46M4167*	-	1U Switch. and Monit. PDU 9 C19 / 3 C13 3ph 30A fixed 4.3m L21-30P.
-	44X3193	-	DPI Three Phase 60A/208V Enterprise C13 PDU Plus
Uninterruptible Power Supply (UPS)			
-	46M4110	-	LCD UPS Network Management Card
-	53956AX*	-	IBM 6000VA LCD 4U Rack UPS (200V/208V)
-	53959KX*	-	IBM 11000VA LCD 5U Rack UPS (200V/208V/230V)
Racks			
-	93634PX	-	42U 1100mm Enterprise V2 Dynamic Rack
-	93634EX	-	42U 1100mm Enterprise V2 Dynamic Expansion Rack
Rack Console Switch			
-	1754D2X	-	Global 4X2X32 Console Manager
-	1754D1X	-	Global 2X2X16 Console Manager
-	1754A2X	-	Local 2X16 Console Manager
-	1754A1X	-	Local 1X8 Console Manager
Console Connectivity			
-	172319X*	-	1U 19in Flat Panel Console Kit
-	172317X*	-	1U 17in Flat Panel Console Kit
Keyboard and Mouse			
00W2515	00Y8570	A41F	n1200 Enclosure Fan Assembly
-	00MU639	-	Lenovo n1200 Enclosure Fan and Power Controller 2
Rack Power Cables			
39Y5531	39Y7937	6201	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y5547	39Y7938	6204	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
-	47C2491	-	1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable
-	47C2487	-	1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable

44X3185	47C2492	A3SX	2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable
00Y3049	00Y3043	A4VP	1.0m C13 to C14 Jumper Cord, Rack Power Cable
00Y3051	00Y3046	A4VQ	1.345m, 2X C13 to C14 Jumper Cord, Rack Power Cable
00Y3052	00Y3047	A4VR	2.054m, 2X C13 to C14 Jumper Cord, Rack Power Cable
39Y5532	-	6316	Rack power cable - 2.0m, 125-250V, C13 to IEC 320-C14 (WW)
39Y5533	-	6311	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
Line Cords			
39Y5646	39Y7931	6207	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)
39Y5651	-	6313	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
46M2590	-	A1RF	10A/250V C13 to NEMA 6-15P 2.8m line cord
39Y5650	-	6369	Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)
39Y8121	-	6351	Line cord - 1.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8122	-	6372	Line cord - 2.8m, 10A/250V, C13 to NEMA 6-15P (US)
39Y8161	-	6215	Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)

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* Lenovo has withdrawn this product from marketing.

NeXtScale nx360 M5 Compute Node (5465)

Attention:

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- At a glance
- Options

Table 1. NeXtScale nx360 M5 Compute Node (5465) at-a-glance

Part number ¹	Withdrawal date ²	CPU/FSB speed (GHz/MHz) -cache	Number of processors (std/max)	Memory (std/max)	System Mgmt Processor	Integrated Ethernet
5465-22Y	-	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15-20MB 1866MHz 85W	2/2	16GB / 1024GB	Y	dual GigE
5465-42Y	-	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25-30MB 2133MHz 105W	2/2	16GB / 1024GB	Y	dual GigE
5465-62Y	-	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 25-30MB 2133MHz 120W	2/2	32GB / 1024GB	Y	dual GigE

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Table 1. NeXtScale nx360 M5 Compute Node (5465) at-a-glance (continued)

Part number ¹	Withdrawal date ²	Storage controller	Internal HDD interface	Internal HDD storage (std/max)	HDD Bays (Std/Max)	Expansion Slots (Std/Max)
5465-22Y	-	N/A	LFF Simple-Swap	0GB / 6TB	0 / 1	0 / 3
5465-42Y	-	N/A	LFF Simple-Swap	0GB / 6TB	0 / 1	0 / 3
5465-62Y	-	N/A	SFF Simple-Swap	0GB / 4TB	0 / 2	0 / 3

Notes:

- Model numbers provided are worldwide generally available variant (GAV) model numbers which are not orderable as listed and need to be modified by country. The U.S. GAV model numbers use the following nomenclature: xxU. For example, the U.S. orderable part number for 5465-22Y is 5465-22U. See the product specific Official Lenovo announcement letter for other country-specific GAV model numbers. GAV to MTM mapping for A.P. Geographies follow the same pattern. Substitute the last character with the country- specific designator.
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NeXtScale nx360 M5 Compute Node (5465)

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- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Processor options	Models support
Standard processor				
00FL200	-	A5HE	Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB 2133MHz 145W	-
00FL201	-	A5HF	Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB 2133MHz 120W	-
00FL202	-	A5HG	Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB 2133MHz 135W	-
00FL203	-	A5HH	Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB 2133MHz 120W	62Y
00FL204	-	A5HJ	Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB 2133MHz 120W	-
00FL205	-	A5HK	Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB 2133MHz 105W	-
00FL206	-	A5HL	Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB 2133MHz 105W	42Y
00FL207	-	A5HM	Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB 2133MHz 65W	-
00FL208	-	A5HN	Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB 1866MHz 90W	-
00FL210	-	A5HQ	Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB 1866MHz 85W	22Y
00FL214	-	A5HU	Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB 2133MHz 135W	-
00KA826	-	A5V0	Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB 2133MHz 120W	-
00KA936	-	AS4L	Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB 2133MHz 135W	-
00KA938	-	AS4M	Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB 2133MHz 145W	-
00FL209	-	A5HP	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB 1866MHz 85W	-
00FL211	-	A5HR	Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB 1866MHz 55W	-
00FL212	-	A5HS	Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB 1600MHz 85W	-
00FL213	-	A5HT	Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB 1600MHz 85W	-
00FL215	-	A5HV	Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20 MB 2133MHz 135W	-
00FL216	-	A5HW	Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB 2133MHz 135W	-
00KA937	-	AS4N	Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB 1866MHz 105W	-
00KG689	-	ASGP	Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB 2133MHz 120W	-
Additional processor				
00FL217	00FL153	A5HX	Addl Intel Xeon Processor E5-2697 v3 14C 2.6GHz 35MB 2133MHz 145W	-
00FL218	00FL154	A5HY	Addl Intel Xeon Processor E5-2695 v3 14C 2.3GHz 35MB 2133MHz 120W	-
00FL219	00FL155	A5HZ	Addl Intel Xeon Processor E5-2690 v3 12C 2.6GHz 30MB 2133MHz 135W	-
00FL220	00FL156	A5J0	Addl Intel Xeon Processor E5-2680 v3 12C 2.5GHz 30MB 2133MHz 120W	62Y
00FL221	00FL157	A5J1	Addl Intel Xeon Processor E5-2670 v3 12C 2.3GHz 30MB 2133MHz 120W	-
00FL222	00FL158	A5J2	Addl Intel Xeon Processor E5-2660 v3 10C 2.6GHz 25MB 2133MHz 105W	-
00FL223	00FL159	A5J3	Addl Intel Xeon Processor E5-2650 v3 10C 2.3GHz 25MB 2133MHz 105W	42Y
00FL224	00FL160	A5J4	Addl Intel Xeon Processor E5-2650L v3 12C 1.8GHz 30MB 2133MHz 65W	-
00FL225	00FL161	A5J5	Addl Intel Xeon Processor E5-2640 v3 8C 2.6GHz 20MB 1866MHz 90W	-
00FL227	00FL163	A5J7	Addl Intel Xeon Processor E5-2620 v3 6C 2.4GHz 15MB 1866MHz 85W	22Y
00FL231	00FL167	A5JB	Addl Intel Xeon Processor E5-2667 v3 8C 3.2GHz 20MB 2133MHz 135W	-
00KA827	00KA829	A5V1	Addl Intel Xeon Processor E5-2683 v3 14C 2.0GHz 35MB 2133MHz 120W	-
00KA939	00KA945	AS4P	Addl Intel Xeon Processor E5-2698 v3 16C 2.3GHz 40MB 2133MHz 135W	-
00KA941	00KA947	AS4Q	Addl Intel Xeon Processor E5-2699 v3 18C 2.3GHz 45MB 2133MHz 145W	-
00FL226	00FL162	A5J6	Addl Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB 1866MHz 85W	-
00FL228	00FL164	A5J8	Addl Intel Xeon Processor E5-2630L v3 8C 1.8GHz 20MB 1866MHz 55W	-
00FL229	00FL165	A5J9	Addl Intel Xeon Processor E5-2609 v3 6C 1.9GHz 15MB 1600MHz 85W	-
00FL230	00FL166	A5JA	Addl Intel Xeon Processor E5-2603 v3 6C 1.6GHz 15MB 1600MHz 85W	-
00FL232	00FL168	A5JC	Addl Intel Xeon Processor E5-2643 v3 6C 3.4GHz 20MB 2133MHz 135W	-

00FL233	00FL169	A5JD	Addl Intel Xeon Processor E5-2637 v3 4C 3.5GHz 15MB 2133MHz 135W	-
00KA940	00KA946	AS4R	Addl Intel Xeon Processor E5-2623 v3 4C 3.0GHz 10MB 1866MHz 105W	-
00KG690	00KG692	ASGQ	Addl Intel Xeon Processor E5-2685 v3 12C 2.6GHz 30MB 2133MHz 120W	-

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NeXtScale nx360 M5 Compute Node (5465)

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- At a glance
- Options

Processor **Memory** HDD I/O Pwr Acc

SBB number	Option number	Feature code	Memory description
TruDDR4 Memory			
46W0783	46W0784	A5B6	4GB TruDDR4 Memory (1Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0787	46W0788	A5B5	8GB TruDDR4 Memory (1Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0791	46W0792	A5B8	8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0795	46W0796	A5B7	16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
46W0799	46W0800	A5B9	32GB TruDDR4 Memory (4Rx4, 1.2V) PC417000 CL15 2133MHz LP LRDIMM
95Y4811	-	A5UK	64GB TruDDR4 Memory (4Rx4,1.2V) PC4-17000 CL15 2133MHz LP LRDIMM
95Y4807	-	A5UJ	32GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM

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Table 1. Standard Memory Configuration

Model	Std. DIMM Configuration
22Y, 42Y	2 * 8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
62Y	2 * 16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM
23Y, 43Y	2 * 8GB TruDDR4 Memory (2Rx8, 1.2V) PC4-19200 CL17 2400MHz LP RDIMM
63Y	2 * 16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-19200 CL17 2400MHz LP RDIMM

Table 2. DIMM Population Sequence (Normal Mode)

CPU	Slot
CPU 1	1 → 8 → 3 → 6 → 2 → 7 → 4 → 5
CPU 1 & CPU 2	1 → 9 → 8 → 16 → 3 → 11 → 6 → 14 → 2 → 10 → 7 → 15 → 4 → 12 → 5 → 13

Table 3. DIMM Population Sequence (Spare Channel Mode)

CPU	Slot
CPU 1	1, 2 → 7, 8 → 3, 4 → 5, 6
CPU 1 & CPU 2	1, 2 → 9, 10 → 7, 8 → 15, 16 → 3, 4 → 11, 12 → 5, 6 → 13, 14

Table 4. DIMM Population Sequence (Mirrored Channel Mode)

CPU	Slot
CPU 1	1, 3 → 6, 8 → 2, 4 → 5, 7
CPU 1 & CPU 2	1, 3 → 9, 11 → 6, 8 → 14, 16 → 2, 4 → 10, 12 → 5, 7 → 13, 15

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NeXtScale nx360 M5 Compute Node (5465)

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- At a glance
- Options

Processor Memory **HDD** I/O Pwr Acc

SBB number	Option number	Feature code	Description	Height	Bays supported	Max quantity
SAS Hot-Swap 2.5" HDDs						
00AJ098	00AJ096	A4TL	300GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00AJ148	00AJ146	A4TP	1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00AJ128	00AJ126	A4TS	600GB 15K 6Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA223	00NA221	ASBB	300GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA233	00NA231	ASBD	600GB 15K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA243	00NA241	ASBF	600GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA253	00NA251	ASBH	900GB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA263	00NA261	ASBK	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA273	00NA271	ASBM	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00AJ093	-	A4TM	600GB 10K 6Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG662	00WG660	AT84	300GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG667	00WG665	AT85	600GB 15K 12Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG687	00WG685	AT89	300GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG692	00WG690	AT8A	600GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG697	00WG695	AT8B	900GB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG702	00WG700	AT8C	1.2TB 10K 12Gbps SAS 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
SAS Hot-Swap 2.5" Solid State Drives						
-	00FN424*	-	800GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
-	00FN419*	-	400GB SED 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00FN381	00FN379	AS7C	200GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4

00FN391	00FN389	AS7E	400GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00FN401	00FN399	AS7G	800GB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00FN411	00FN409	AS7J	1.6TB 12G SAS 2.5" MLC G3HS Enterprise SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG727	00WG725	AT8H	300GB 10K 12Gbps SAS 2.5 HDD for NeXtScale System	SFF	4, 5	2
00WG732	00WG730	AT8J	600GB 10K 12Gbps SAS 2.5 HDD for NeXtScale System	SFF	4, 5	2
00WG737	00WG735	AT8K	900GB 10K 12Gbps SAS 2.5 HDD for NeXtScale System	SFF	4, 5	2
00WG742	00WG740	AT8L	1.2TB 10K 12Gbps SAS 2.5 HDD for NeXtScale System	SFF	4, 5	2
SAS 2.5" HDDs for NeXtScale System						
00AD057	00AD055	A48D	300GB 10K 6Gbps SAS 2.5" HDD for NeXtScale System	SFF	4, 5	2
00AJ292	00AJ290	A5NG	600GB 15K 6Gbps SAS 2.5 HDD for NeXtScale System	SFF	4, 5	2
00FN042	00FN040	A5NC	1.2TB 10K 6Gbps SAS 2.5" HDD for NeXtScale System	SFF	4, 5	2
-	00NA381*	-	1.2TB 10K 12Gbps SAS 2.5" 512e SED for NeXtScale System	SFF	4, 5	2
-	00NA376*	-	900GB 10K 12Gbps SAS 2.5" 512e SED for NeXtScale System	SFF	4, 5	2
-	00NA371*	-	600GB 10K 12Gbps SAS 2.5" 512e SED for NeXtScale System	SFF	4, 5	2
-	00NA366*	-	600GB 15K 12Gbps SAS 2.5" 512e SED for NeXtScale System	SFF	4, 5	2
-	00NA361*	-	300GB 15K 12Gbps SAS 2.5" 512e SED for NeXtScale System	SFF	4, 5	2
-	00NA351*	-	1.2TB 10K 12Gbps SAS 2.5" 512e HDD for NeXtScale System	SFF	4, 5	2
-	00NA341*	-	600GB 10K 12Gbps SAS 2.5" 512e HDD for NeXtScale System	SFF	4, 5	2
-	00NA336*	-	600GB 15K 12Gbps SAS 2.5" 512e HDD for NeXtScale System	SFF	4, 5	2
00NA333	00NA331	ASBZ	300GB 15K 12Gbps SAS 2.5" 512e HDD for NeXtScale System	SFF	4, 5	2
00NA348	00NA346	ASC2	900GB 10K 12Gbps SAS 2.5" 512e HDD for NeXtScale System	SFF	4, 5	2
00NA358	00NA356	ASC4	1.8TB 10K 12Gbps SAS 2.5" 512e HDD for NeXtScale System	SFF	4, 5	2
00AD062	-	A48F	600GB 10K 6Gbps SAS 2.5" HDD for NeXtScale System	SFF	4, 5	2
00WG672	00WG670	AT86	300GB 15K 12Gbps SAS 2.5 HDD for NeXtScale System	SFF	4, 5	2
SAS 3.5" HDDs for NeXtScale System						
-	00FN263*	-	6TB 7.2K 12Gbps NL SAS 3.5" 512e SED for NextScale System	LFF	Node: 7; Storage Tray: 0â€¦6	1/8
-	00FN253*	-	4TB 7.2K 12Gbps NL SAS 3.5" 512e SED for NextScale System	LFF	Node: 7; Storage Tray: 0â€¦6	1/8
-	00FN243*	-	2TB 7.2K 12Gbps NL SAS 3.5" 512e SED for NextScale System	LFF	Node: 7; Storage Tray: 0â€¦6	1/8
-	00FN233*	-	6TB 7.2K 12Gbps NL SAS 3.5 "512e HDD for NextScale System	LFF	Node: 7; Storage Tray: 0â€¦6	1/8
-	00FN193*	-	2TB 7.2K 12Gbps NL SAS 3.5" 512e HDD for NextScale System	LFF	Node: 7; Storage Tray: 0â€¦6	1/8
00FN215	00FN213	AS4J	4TB 7.2K 12Gbps NL SAS 3.5" 512e HDD for NextScale System	LFF	Node: 7; Storage Tray: 0â€¦6	1/8
SATA Hot-Swap 2.5" HDDs						
00AJ138	00AJ136	A4TW	500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00AJ143	00AJ141	A4TX	1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA493	00NA491	AT7Z	1TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA498	00NA496	AT80	2TB 7.2K 12Gbps NL SAS 2.5 G3HS HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA528	00NA526	AT81	2TB 7.2K 6Gbps NL SATA 2.5 G3HS 512e HDD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
SATA Hot-Swap 2.5" Solid State Drives						
00AJ397	00AJ395	A577	120GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00AJ402	00AJ400	A578	240GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00AJ407	00AJ405	A579	480GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4

00AJ412	00AJ410	A57A	800GB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
-	00FN293*	-	S3500 1.6TB SATA 2.5" MLC Enterprise Value SSD for NextScale System	SFF	4, 5	2
00FN280	00FN278	A5U6	S3500 1.6TB SATA 2.5" MLC G3HS Enterprise Value SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00YC387	00YC385	AT8R	120GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00YC392	00YC390	AT8S	240GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00YC397	00YC395	AT8T	480GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00YC402	00YC400	AT8U	960GB Enterprise Entry SATA G3HS 2.5" SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
SATA 2.5" HDDs for NeXtScale System						
00AD037	00AD035	A48B	500GB 7.2K 6Gbps SATA 2.5" HDD for NeXtScale System	SFF	4, 5	2
-	00FN035*	-	800GB SATA 2.5" MLC Enterprise Value SSD for NeXtScale System	SFF	4, 5	2
-	00FN030*	-	480GB SATA 2.5" MLC Enterprise Value SSD for NeXtScale System	SFF	4, 5	2
-	00FN025*	-	240GB SATA 2.5" MLC Enterprise Value SSD for NeXtScale System	SFF	4, 5	2
00FN022	00FN020	A57K	120GB SATA 2.5" MLC Enterprise Value SSD for NeXtScale System	SFF	4, 5	2
00AD042	00AD040	A48C	1TB 7.2K 6Gbps SATA 2.5" HDD for NeXtScale System	SFF	4, 5	2
00NA568	00NA566	AT83	2TB 7.2K 6Gbps NL SATA 2.5 512e HDD for NeXtScale System	SFF	4, 5	2
SATA 3.5" HDDs for NeXtScale System						
-	00AD020*	-	3TB 7.2K 6Gbps SATA 3.5" HDD for NeXtScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
00AD012	00AD010	A487	1TB 7.2K 6Gbps SATA 3.5" HDD for NeXtScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
00AD027	00AD025	A4GC	4TB 7.2K 6Gbps SATA 3.5" HDD for NeXtScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
-	00FN168*	-	5TB 7.2K 6Gbps NL SATA 3.5" 512e HDD for NextScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
-	00FN153*	-	4TB 7.2K 6Gbps NL SATA 3.5" 512e HDD for NextScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
-	00FN138*	-	3TB 7.2K 6Gbps NL SATA 3.5" 512e HDD for NextScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
00FN125	00FN123	A5VV	2TB 7.2K 6Gbps NL SATA 3.5" 512e HDD for NextScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
00FN185	00FN183	A5VZ	6TB 7.2K 6Gbps NL SATA 3.5" 512e HDD for NextScale System	LFF	Node: 4 / 7; Storage Tray: 0â€¦6	1/8
2.5" Solid State Drives for NeXtScale System						
00YC432	00YC430	AT90	240GB Enterprise Entry SATA 2.5" SSD for NeXtScale	SFF	4, 5	2
00YC442	00YC440	AT92	960GB Enterprise Entry SATA 2.5" SSD for NeXtScale	SFF	4, 5	2
SATA 1.8" Solid State Drives						
00AJ042	00AJ040	A4KV	S3500 80GB SATA 1.8" MLC Enterprise Value SSD	SL	4, 5, 6, 7	4
00AJ052	00AJ050	A4KX	S3500 400GB SATA 1.8" MLC Enterprise Value SSD	SL	4, 5, 6, 7	4
Enterprise Capacity MLC Solid State Drives						
00NA673	-	ASW6	3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
SAS Hot-Swap 2.5" SED						
-	00NA306*	-	1.8TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
-	00NA296*	-	900GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
-	00NA286*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
-	00NA281*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4

00NA293	00NA291	ASBR	600GB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00NA303	00NA301	ASBT	1.2TB 10K 12Gbps SAS 2.5" G3HS 512e SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG707	00WG705	AT8D	300GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG712	00WG710	AT8E	600GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG717	00WG715	AT8F	900GB 10K 12Gbps SAS 2.5" G3HS SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
00WG722	00WG720	AT8G	1.2TB 10K 12Gbps SAS 2.5" G3HS SED	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
SAS Hot-Swap 2.5" Hybrid HDDs						
-	00NA321*	-	600GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
-	00NA311*	-	300GB 15K 12Gbps SAS 2.5" G3HS 512e Hybrid	SFF	Node: 0, 1 2U IO Tray: 0, 1, 2, 3	2/4
Associated HDD Options						
00FK094	00FL175	A5NA	nx360 M5 2.5" Front Hot Swap Drive Cage	-	-	-
00KA374	-	A5K1	nx360 M5 Drive Cage with 1 LFF Assy 3.5" HDD Left	-	-	-
00KA892	00KA894	A5V2	nx360 M5 2.5" Rear Drive Cage	-	-	-
00KA893	00KA895	A5V3	nx360 M5 1.8" Rear Drive Cage	-	-	-
00KG600	00KG601	ASGR	NeXtScale 12G Storage Native Expansion Tray	-	-	-
00KG602	00KG603	ASGS	nx360 3.5" HDD8 Cage - HW RAID	-	-	-
44X4103	-	A4A6	4x 2.5" HDD Riser	-	-	-
External storage expansion units						
-	1746A4S*	-	IBM System Storage DS3524 Express Single Controller Storage System	-	-	-
-	1746A4D*	-	IBM System Storage DS3524 Express Dual Controller Storage System	-	-	-
-	1746A2S*	-	IBM System Storage DS3512 Express Single Controller Storage System	-	-	-
-	1746A2D*	-	IBM System Storage DS3512 Express Dual Controller Storage System	-	-	-

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Table 1. HDD drive bays

Bay	Form Factor	Height	Front access	Usage
Node				
4 (rear left)	3.5"	LFF	N	HDD
0 (front left)	2.5"	SFF	Y	HDD
1 (front right)	2.5"	SFF	Y	HDD
4 (rear left)	2.5"	SFF	N	HDD
5 (rear left)	2.5"	SFF	N	HDD
4 (rear left)	1.8"	SL	N	SSD
5 (rear left)	1.8"	SL	N	SSD
6 (rear left)	1.8"	SL	N	SSD
7 (rear left)	1.8"	SL	N	SSD

* Lenovo has withdrawn this product from marketing.

NeXtScale nx360 M5 Compute Node (5465)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description	Adapter length	PCI support	Slots supported	Hot-Plug capable	Max quantity
Storage controllers and cache options								
42D0486	42D0485	3580	Emulex 8Gb FC Single-port HBA	Half	PCIe x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
42D0495	42D0494	3581	Emulex 8Gb FC Dual-port HBA	Half	PCIe x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
42D0502	42D0501	3578	QLogic 8Gb FC Single-port HBA	Half	PCIe x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
42D0511	42D0510	3579	QLogic 8Gb FC Dual-port HBA	Half	PCIe x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	46M6050*	-	Brocade 8Gb FC Dual-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	46M6049*	-	Brocade 8Gb FC Single-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	81Y1675*	-	Brocade 16Gb FC Dual-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	81Y1668*	-	Brocade 16Gb FC Single-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
81Y1656	81Y1655	A2W5	Emulex 16Gb FC Single-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
81Y1663	81Y1662	A2W6	Emulex 16Gb FC Dual-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00Y3338	00Y3337	A3KW	QLogic 16Gb FC Single-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00Y3342	00Y3341	A3KX	QLogic 16Gb FC Dual-port HBA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
46C9109	46C9110	A3YZ	ServeRAID M5210 SAS/SATA Controller	Half	PCIe x8	7 / Node: 1	N	1
47C8655	47C8656	A3Z0	ServeRAID M5200 Series 1GB Cache/RAID 5 Upgrade	-	-	-	-	-
47C8659	47C8660	A3Z1	ServeRAID M5200 Series 1GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8663	47C8664	A3Z2	ServeRAID M5200 Series 2GB Flash/RAID 5 Upgrade	-	-	-	-	-
47C8674	47C8675	A3YY	N2215 SAS/SATA Hba	Half	PCIe x8	7 / Node: 1	N	1
47C8707	47C8706	A3Z5	ServeRAID M5200 Series RAID 6 Upgrade-FoD	-	-	-	-	-
47C8709	47C8708	A3Z6	ServeRAID M5200 Series Zero Cache/RAID 5 Upgrade-FoD	-	-	-	-	-
47C8711	47C8710	A3Z7	ServeRAID M5200 Series Performance Accelerator-FoD	-	-	-	-	-
47C8713	47C8712	A3Z8	ServeRAID M5200 Series SSD Caching Enabler-FoD	-	-	-	-	-
00AE931	00AE930	A5H5	ServeRAID M1200 Zero Cache/RAID 5 Upgrade FOD	-	-	-	-	-
46C9113	46C9114	A45W	ServeRAID M1215 SAS/SATA Controller	Half	PCIe x8	7 / Node: 1	N	1
47C8667	47C8668	A3Z3	ServeRAID M5200 Series 4GB Flash/RAID 5 Upgrade	-	-	-	-	-
00ML702	00ML700	AS2V	Blank SD Media for System x	-	-	-	-	-
-	00JY004	-	5200GB Enterprise io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1

-	00JY001	-	2600GB Enterprise io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	00AE998	-	1300GB Enterprise io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	00AE995	-	1000GB Enterprise io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	00AE992	-	6400GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	00AE989	-	3200GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	00AE986	-	1600GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	00AE983	-	1250GB Enterprise Value io3 Flash Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
Networking								
-	44W4408*	-	10GbE 850 nm Fiber SFP+ Transceiver (SR) for BladeCenter	-	-	-	-	-
49Y4217	49Y4216	0069	Brocade 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
49Y4219	49Y4218	0064	QLogic 10Gb SFP+ SR Optical Transceiver	-	-	-	-	-
90Y9353	90Y9352	A2V3	Broadcom NetXtreme I Quad Port GbE Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
90Y9371	90Y9370	A2V4	Broadcom NetXtreme I Dual Port GbE Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00D9553	00D9550	A3PN	Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00D9693	00D9690	A3PM	Mellanox ConnectX-3 10 GbE Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
-	47C9977	-	Solarflare SFN7122F 2x10GbE SFP+ Flareon Ultra	Less than half length (134mm)	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
94Y5183	94Y5180	A4Z6	Broadcom NetXtreme Dual Port 10GbE SFP+ Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00D1995	00D1996	A40Q	Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter	Half	PCIe x8	6	N	1
00D2025	00D2026	A40S	Broadcom NetXtreme II ML2 Dual Port 10GbaseT	Half	PCIe x8	6	N	1
00D2027	00D2028	A40T	Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+	Half	PCIe x8	6	N	1
00D8545	00D8544	A4NZ	Emulex VFA5 ML2 FCoE/iSCSI License (FoD)	-	-	-	-	-
44T1353	44T1370	A5GZ	Broadcom NetXtreme 2x10GbE BaseT Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00FP653	00FP650	A5RK	Mellanox ConnectX-3 Pro ML2 2x40GbE/FDR VPI Adapter	Half	PCIe x8	6	N	1
00D9679	00D9676	ARZH	Mellanox QSFP to SFP+ adapter	-	-	-	-	-
44T1367	44T1364	ARZA	0.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
59Y1887	-	5763	Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00W0036	-	A2YE	Mellanox ConnectX-3 VPI Single-port QSFP FDR IB HCA	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
46W0570	-	A44E	Mellanox Connect-IB Dual-port QSFP FDR IB PCI-E 3.0 x16 HCA	Half	PCIe x16	Node: 1	N	1
00AE046	-	A4K1	Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
81Y3523	81Y3520	AS73	Intel X710 2x10GbE SFP+ Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00JY821	00JY820	A5UT	Emulex VFA5 2x10 GbE SFP+ PCIe Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00JY825	-	A5UV	Emulex VFA5 FCoE/iSCSI SW for PCIe Adapter (FoD)	-	-	-	-	-
00JY831	00JY830	A5UU	Emulex VFA5 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
49Y7963	-	A2EC	Intel x520 Dual Port 10GbE SFP+ Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
49Y7973	-	A2ED	Intel X540-T2 Dual Port 10GBaseT Adapter	Half	PCIe x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1

47C9953	-	A47H	Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter	Half	PCle x8	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00AG503	-	A56K	Intel I350-F1 1xGbE Fiber Adapter	Half	PCle x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00AG513	-	A56L	Intel I350-T2 2xGbE BaseT Adapter	Half	PCle x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
00AG523	-	A56M	Intel I350-T4 4xGbE BaseT Adapter	Half	PCle x4	Node: 1/ IO Tray: 1/ 2U IO Tray: 1	N	1
Systems Management								
80Y9625	-	A1MK	Integration Management Module Standard Upgrade	-	-	-	-	-
Video Adapters								
90Y2356	00J6160	A3GM	Nvidia Grid K1	Full	PCle x16	IO Tray: 2	N	IO Tray: 1
90Y2360	00J6161	A3GN	Nvidia Grid K2	Full	PCle x16	IO Tray: 2, 4 / 2U IO Tray: 3, 4, 2, 5	N	IO Tray: 2; 2U IO Tray: 4
90Y2364	00J6162	A3GP	Intel Xeon Phi 7120P	Full	PCle x16	IO Tray: 2, 4 / 2U IO Tray: 2, 3	N	IO Tray: 2; 2U IO Tray: 2
90Y2413	00FL133	A564	NVIDIA Tesla K40	Full	PCle x16	IO Tray: 2, 4 / 2U IO Tray: 2,3,4,5	N	IO Tray: 2; 2U IO Tray: 4
-	00D4192*	-	NVIDIA Tesla K10	Full	PCle x16	IO Tray: 2, 4	N	IO Tray: 2
90Y2425	00KG133	AS4D	nVidia Tesla K80	Full	PCle x16	IO Tray: 2, 4 / 2U IO Tray: 2, 3	N	IO Tray: 2; 2U IO Tray: 2
Other I/O								
41Y8306	41Y8298	A2G0	Blank USB Memory Key for VMWare ESXi Downloads	-	-	-	-	-
00Y8385	00Y8393	A4MB	NeXtScale PCIe Native Expansion Tray	-	-	-	-	-
00KF038	00KF002	ARZB	0.75m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF039	00KF003	ARZC	1m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF040	00KF004	ARZD	1.25m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF041	00KF005	ARZE	1.5m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF042	00KF006	ARZF	3m Mellanox QSFP Passive DAC Cable	-	-	-	-	-
00KF049	00KF013	ARZG	3m Mellanox QSFP Passive DAC Hybrid Cable	-	-	-	-	-
46C3446	-	5053	SFP+ SR Transceiver	-	-	-	-	-
90Y3505	-	A1DR	QSFP+ 40GBASE-SR4 Transceiver	-	-	-	-	-
90Y3506	-	A1DL	1m QSFP+ DAC Break Out Cable	-	-	-	-	-
90Y3509	-	A1DP	1m QSFP+-to-QSFP+ cable	-	-	-	-	-
00AY768	-	A51N	1.5m Passive DAC SFP+ Cable	-	-	-	-	-
00AY769	-	A51P	2m Passive DAC SFP+ Cable	-	-	-	-	-
00MP054	00ML233	ASN6	USB Memory Key for VMware ESXi 5.1 Update 2	-	-	-	-	-
00MP055	00ML235	ASN7	USB Memory Key for VMware ESXi 5.5 Update 2	-	-	-	-	-
90Y2368	-	A3GQ	Intel Xeon Phi 5110P	Full	PCle x16	IO Tray: 2, 4	N	IO Tray: 2
00MU757	-	ASYK	NeXtScale PCIe 2U Native Expansion Tray	-	-	-	-	-

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Table 1. Slots

Slot	Type	Bus	Voltage (V)	Frequency MHz	Data path	Active PCI	Slot size
Node Slot 1/IO Tray Slot 1	PCle Gen3	-	-	-	x16/x8	No	FH/HL
Slot 6	ML2 PCle Gen3	-	-	-	x16	No	HH/FL
Slot 7	PCle Gen3	-	-	-	x8	No	HH/FL
IO Tray Slot 2	PCle Gen3	-	-	-	x16	No	FH/FL
IO Tray Slot 4	PCle Gen3	-	-	-	x16	No	FH/FL

* Lenovo has withdrawn this product from marketing.

NeXtScale nx360 M5 Compute Node (5465)

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- At a glance
- Options

Processor Memory HDD I/O Pwr Acc

SBB number	Option number	Feature code	Description
Rack and rack Options			
39Y7960	39M2895	3756	USB Conversion Option (UCO)
69Y2045	46M5382	5340	Serial Conversion Option (SCO)
69Y2046	46M5383	5341	Virtual Media Conversion Option Gen2 (VCO2)
80Y9626	-	A1ML	Integrated Management Module Advanced Upgrade
Universal Management Gateway			
-	3858D3X*	-	Avocent Universal Management Gateway 6000 for IBM
Keyboard and Mouse			
47C8819	-	A47F	Super Cap Cable 925mm for ServRAID M5200 Series Flash
90Y3507	-	A1DM	3m QSFP+ DAC Break Out Cable
90Y3508	-	A1DN	5m QSFP+ DAC Break Out Cable
90Y3510	-	A1DQ	3m QSFP+-to-QSFP+ cable
90Y9492	-	A1PH	1m Passive DAC SFP+ Cable
90Y9493	-	A1PJ	3m Passive DAC SFP+ Cable
90Y9494	-	A1PK	5m Passive DAC SFP+ Cable
00D6149	-	A3RH	7m Passive DAC SFP+ Cable
00D6287	-	A3RG	0.5m Passive DAC SFP+ Cable
46W0582	-	A44G	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable
00VX166	-	AT2U	Lenovo 10m QSFP+ MTP-MTP OM3 MMF Cable
00VX167	-	AT2V	Lenovo 30m QSFP+ MTP-MTP OM3 MMF Cable
Associated Options			
39Y8072	43V6147	3757	Single Cable USB Conversion Option (UCO)
00AK140	00AK142	A4X4	UM KVM Module VGA+SD Dual RJ45
00D5223	-	A3HW	0.6m HD-miniSAS to miniSAS SAS Cable
00D5225	-	A3HX	1.5m HD-miniSAS to miniSAS SAS Cable
00D5227	-	A3HY	3m HD-miniSAS to miniSAS SAS Cable
00D5229	-	A3HZ	6m HD-miniSAS to miniSAS SAS Cable
00J6232	-	A3J1	1m miniSAS to miniSAS SAS Cable
00J6234	-	A3J2	3m miniSAS to miniSAS SAS Cable
00J6236	-	A3KU	6m miniSAS to miniSAS SAS Cable
Fiber Cables			
00KF043	00KF007	ARYC	3m Mellanox Active IB FDR Optical Fiber Cable
00KF044	00KF008	ARYD	5m Mellanox Active IB FDR Optical Fiber Cable
00KF045	00KF009	ARYE	10m Mellanox Active IB FDR Optical Fiber Cable
00KF046	00KF010	ARYF	15m Mellanox Active IB FDR Optical Fiber Cable
00KF047	00KF011	ARYG	20m Mellanox Active IB FDR Optical Fiber Cable
00KF048	00KF012	ARYH	30m Mellanox Active IB FDR Optical Fiber Cable

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* Lenovo has withdrawn this product from marketing.

System x and BladeCenter operating systems offerings

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

[illegible]

00FE842*	00FE842*	RHEL Smart Management 4 Guests RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE843*	00FE843*	RHEL Smart Management Unlimited Guests RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE844*	00FE844*	RHEL Extended Update Support 2 Sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE845*	00FE845*	RHEL Extended Update Support 4 Sockets Subs Only 5Yr											
00FE846*	00FE846*	RHEL Extended Update Support 8 Sockets Subs Only 5Yr											
00FE847*	00FE847*	RHEL Extended Update Support 2 Sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE848*	00FE848*	RHEL Extended Update Support 4 Sockets RH Support 5Yr											
00FE849*	00FE849*	RHEL Extended Update Support 8 Sockets RH Support 5Yr											
00FF149*	00FF149*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF150*	00FF150*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF151*	00FF151*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF152*	00FF152*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF153*	00FF153*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF154*	00FF154*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF155*	00FF155*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF156*	00FF156*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF157*	00FF157*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF158*	00FF158*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF159*	00FF159*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF160*	00FF160*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF161*	00FF161*	Red Hat Enterprise Virtualization 4 Skts Prem Sub Only 1Yr											
00FF162*	00FF162*	Red Hat Enterprise Virtualization 4 Skts Std Sub Only 1Yr											
00FF163*	00FF163*	Red Hat Enterprise Virtualization 4 Skts Prem Sub Only 3Yr											
00FF164*	00FF164*	Red Hat Enterprise Virtualization 4 Skts Std Sub Only 3Yr											
00FF165*	00FF165*	Red Hat Enterprise Virtualization 4 Skts Prem Sub Only 5Yr											
00FF166*	00FF166*	Red Hat Enterprise Virtualization 4 Skts Std Sub Only 5Yr											
00FF167*	00FF167*	Red Hat Enterprise Virtualization 4 Skts Prem RH Support 1Yr											
00FF168*	00FF168*	Red Hat Enterprise Virtualization 4 Skts Std RH Support 1Yr											
00FF169*	00FF169*	Red Hat Enterprise Virtualization 4 Skts Prem RH Support 3Yr											
00FF170*	00FF170*	Red Hat Enterprise Virtualization 4 Skts Std RH Support 3Yr											
00FF171*	00FF171*	Red Hat Enterprise Virtualization 4 Skts Prem RH Support 5Yr											
00FF172*	00FF172*	Red Hat Enterprise Virtualization 4 Skts Std RH Support 5Yr											
00FF173*	00FF173*	Red Hat Enterprise Virtualization 8 Skts Prem Sub Only 1Yr											
00FF174*	00FF174*	Red Hat Enterprise Virtualization 8 Skts Std Sub Only 1Yr											
00FF175*	00FF175*	Red Hat Enterprise Virtualization 8 Skts Prem Sub Only 3Yr											
00FF176*	00FF176*	Red Hat Enterprise Virtualization 8 Skts Std Sub Only 3Yr											
00FF177*	00FF177*	Red Hat Enterprise Virtualization 8 Skts Prem Sub Only 5Yr											
00FF178*	00FF178*	Red Hat Enterprise Virtualization 8 Skts Std Sub Only 5Yr											
00FF179*	00FF179*	Red Hat Enterprise Virtualization 8 Skts Prem RH Support 1Yr											
00FF180*	00FF180*	Red Hat Enterprise Virtualization 8 Skts Std RH Support 1Yr											
00FF181*	00FF181*	Red Hat Enterprise Virtualization 8 Skts Prem RH Support 3Yr											
00FF182*	00FF182*	Red Hat Enterprise Virtualization 8 Skts Std RH Support 3Yr											
00FF183*	00FF183*	Red Hat Enterprise Virtualization 8 Skts Prem RH Support 5Yr											
00FF184*	00FF184*	Red Hat Enterprise Virtualization 8 Skts Std RH Support 5Yr											
00FF185*	00FF185*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF186*	00FF186*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF187*	00FF187*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF188*	00FF188*	RHEL for HPC 4 Skts Compute Nodes with EUS RH Self Support 1Yr											
00FF189*	00FF189*	RHEL for HPC 4 Skts Compute Nodes with EUS RH Self Support 3Yr											
00FF190*	00FF190*	RHEL for HPC 4 Skts Compute Nodes with EUS RH Self Support 5Yr											
00JY357*	00JY357*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY358*	00JY358*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY359*	00JY359*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY360*	00JY360*	RHEL for HPC 4 Skts Compute Nodes with EUS Subs Only 1Yr											
00JY361*	00JY361*	RHEL for HPC 4 Skts Compute Nodes with EUS Subs Only 3Yr											
00JY362*	00JY362*	RHEL for HPC 4 Skts Compute Nodes with EUS Subs Only 5Yr											
00JY363*	00JY363*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY364*	00JY364*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY365*	00JY365*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY366*	00JY366*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY367*	00JY367*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY368*	00JY368*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY369*	00JY369*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY370*	00JY370*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY371*	00JY371*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY372*	00JY372*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY373*	00JY373*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY374*	00JY374*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY399*	00JY399*	RHEL SAP HANA 6.X Media	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Operating Systems offerings (continued)

US Option number	Canadian Option number	Network Operating System (NOS) offerings	x3650M4 BD (5466)	x3650M5 (5462)	x3850 X5/x3950 X5 (7143)	x3850 X6 (6241)	x3950 X6 (6241)
Red Hat							
48156HU*	48156HU*	Red Hat Enterprise Linux HPCC 4 pack Red Hat Basic Support Subscription up to 2 Socket 1 yr (Multilanguage)	✓	✓			
48157HU*	48157HU*	Red Hat Enterprise Linux HPCC 4 pack Red Hat Basic Support Subscription up to 2 Socket 3 yr (Multilanguage)	✓	✓			
48158HU*	48158HU*	Red Hat Enterprise Linux HPCC 4 pack Red Hat Basic Support Subscription up to 4 Socket 1 yr (Multilanguage)				✓	✓

[illegible]

4815YXU*	4815YXU*	RHEL Load Balancer 2 Sockets RH Support 3Yr		✓	✓				
4815YYU*	4815YYU*	RHEL Load Balancer 4 Sockets RH Support 3Yr						✓	
4815YZU*	4815YZU*	RHEL Load Balancer 8 Sockets RH Support 3Yr							✓
4815Z0U*	4815Z0U*	RHEL High Perf Network 2 Sockets Subs Only 1Yr		✓	✓				
4815Z1U*	4815Z1U*	RHEL High Perf Network 4 Sockets Subs Only 1Yr						✓	
4815Z2U*	4815Z2U*	RHEL High Perf Network 8 Sockets Subs Only 1Yr							✓
4815Z3U*	4815Z3U*	RHEL High Perf Network 2 Sockets Subs Only 3Yr		✓	✓				
4815Z4U*	4815Z4U*	RHEL High Perf Network 4 Sockets Subs Only 3Yr						✓	
4815Z5U*	4815Z5U*	RHEL High Perf Network 8 Sockets Subs Only 3Yr							✓
4815Z6U*	4815Z6U*	RHEL High Perf Network 2 Sockets RH Support 1Yr		✓	✓				
4815Z7U*	4815Z7U*	RHEL High Perf Network 4 Sockets RH Support 1Yr						✓	
4815Z8U*	4815Z8U*	RHEL High Perf Network 8 Sockets RH Support 1Yr							✓
4815Z9U*	4815Z9U*	RHEL High Perf Network 2 Sockets RH Support 3Yr		✓	✓				
4815ZAU*	4815ZAU*	RHEL High Perf Network 4 Sockets RH Support 3Yr						✓	
4815ZBU*	4815ZBU*	RHEL High Perf Network 8 Sockets RH Support 3Yr							✓
4815ZCU*	4815ZCU*	RHEL Smart Management 1 Guest Subs Only 1Yr		✓	✓			✓	✓
4815ZDU*	4815ZDU*	RHEL Smart Management 4 Guests Subs Only 1Yr		✓	✓			✓	✓
4815ZEU*	4815ZEU*	RHEL Smart Management Unlimited Guests Subs Only 1Yr		✓	✓			✓	✓
4815ZFU*	4815ZFU*	RHEL Smart Management 1 Guest Subs Only 3Yr		✓	✓			✓	✓
4815ZGU*	4815ZGU*	RHEL Smart Management 4 Guests Subs Only 3Yr		✓	✓			✓	✓
4815ZHU*	4815ZHU*	RHEL Smart Management Unlimited Guests Subs Only 3Yr		✓	✓			✓	✓
4815ZIU*	4815ZIU*	RHEL Smart Management 1 Guest RH Support 1Yr		✓	✓			✓	✓
4815ZJU*	4815ZJU*	RHEL Smart Management 4 Guests RH Support 1Yr		✓	✓			✓	✓
4815ZKU*	4815ZKU*	RHEL Smart Management Unlimited Guests RH Support 1Yr		✓	✓			✓	✓
4815ZLU*	4815ZLU*	RHEL Smart Management 1 Guest RH Support 3Yr		✓	✓			✓	✓
4815ZMU*	4815ZMU*	RHEL Smart Management 4 Guests RH Support 3Yr		✓	✓			✓	✓
4815ZNU*	4815ZNU*	RHEL Smart Management Unlimited Guests RH Support 3Yr		✓	✓			✓	✓
4815ZOU*	4815ZOU*	RHEL Extended Update Support 2 Sockets Subs Only 1Yr		✓	✓				
4815ZPU*	4815ZPU*	RHEL Extended Update Support 4 Sockets Subs Only 1Yr						✓	
4815ZQU*	4815ZQU*	RHEL Extended Update Support 8 Sockets Subs Only 1Yr							✓
4815ZRU*	4815ZRU*	RHEL Extended Update Support 2 Sockets Subs Only 3Yr		✓	✓				
4815ZSU*	4815ZSU*	RHEL Extended Update Support 4 Sockets Subs Only 3Yr						✓	
4815ZTU*	4815ZTU*	RHEL Extended Update Support 8 Sockets Subs Only 3Yr							✓
4815ZUU*	4815ZUU*	RHEL Extended Update Support 2 Sockets RH Support 1Yr		✓	✓				
4815ZVU*	4815ZVU*	RHEL Extended Update Support 4 Sockets RH Support 1Yr						✓	
4815ZWU*	4815ZWU*	RHEL Extended Update Support 8 Sockets RH Support 1Yr							✓
4815ZXU*	4815ZXU*	RHEL Extended Update Support 2 Sockets RH Support 3Yr		✓	✓				
4815ZYU*	4815ZYU*	RHEL Extended Update Support 4 Sockets RH Support 3Yr						✓	
4815ZZU*	4815ZZU*	RHEL Extended Update Support 8 Sockets RH Support 3Yr							✓
00FE760*	00FE760*	RHEL Server 2 Skts 1 Guest Prem Subs Only 5Yr		✓	✓				
00FE761*	00FE761*	RHEL Server 2 Skts 4 Guests Prem Subs Only 5Yr		✓	✓				
00FE762*	00FE762*	RHEL Server 2 Skts Unlimited Guests Prem Subs Only 5Yr		✓	✓				
00FE763*	00FE763*	RHEL Server 2 Skts 1 Guest Std Subs Only 5Yr		✓	✓				
00FE764*	00FE764*	RHEL Server 2 Skts 4 Guests Std Subs Only 5Yr		✓	✓				
00FE765*	00FE765*	RHEL Server 2 Skts Unlimited Guests Std Subs Only 5Yr		✓	✓				
00FE766*	00FE766*	RHEL Server 2 Skts 1 Guest Prem RH Support 5Yr		✓	✓				
00FE767*	00FE767*	RHEL Server 2 Skts 4 Guests Prem RH Support 5Yr		✓	✓				
00FE768*	00FE768*	RHEL Server 2 Skts Unlimited Guests Prem RH Support 5Yr		✓	✓				
00FE769*	00FE769*	RHEL Server 2 Skts 1 Guest Std RH Support 5Yr		✓	✓				
00FE770*	00FE770*	RHEL Server 2 Skts 4 Guests Std RH Support 5Yr		✓	✓				
00FE771*	00FE771*	RHEL Server 2 Skts Unlimited Guests Std RH Support 5Yr		✓	✓				
00FE772*	00FE772*	RHEL Server 4 Skts 1 Guest Prem Subs Only 5Yr							✓
00FE773*	00FE773*	RHEL Server 4 Skts 4 Guests Prem Subs Only 5Yr							✓
00FE774*	00FE774*	RHEL Server 4 Skts Unlimited Guests Prem Subs Only 5Yr							✓
00FE775*	00FE775*	RHEL Server 4 Skts 1 Guest Std Subs Only 5Yr							✓
00FE776*	00FE776*	RHEL Server 4 Skts 4 Guests Std Subs Only 5Yr							✓
00FE777*	00FE777*	RHEL Server 4 Skts Unlimited Guests Std Subs Only 5Yr							✓
00FE778*	00FE778*	RHEL Server 4 Skts 1 Guest Prem RH Support 5Yr							✓
00FE779*	00FE779*	RHEL Server 4 Skts 4 Guests Prem RH Support 5Yr							✓
00FE780*	00FE780*	RHEL Server 4 Skts Unlimited Guests Prem RH Support 5Yr							✓
00FE781*	00FE781*	RHEL Server 4 Skts 1 Guest Std RH Support 5Yr							✓
00FE782*	00FE782*	RHEL Server 4 Skts 4 Guests Std RH Support 5Yr							✓
00FE783*	00FE783*	RHEL Server 4 Skts Unlimited Guests Std RH Support 5Yr							✓
00FE784*	00FE784*	RHEL Server 8 Skts 1 Guest Prem Subs Only 5Yr							✓
00FE785*	00FE785*	RHEL Server 8 Skts 4 Guests Prem Subs Only 5Yr							✓
00FE786*	00FE786*	RHEL Server 8 Skts Unlimited Guests Prem Subs Only 5Yr							✓
00FE787*	00FE787*	RHEL Server 8 Skts 1 Guest Std Subs Only 5Yr							✓
00FE788*	00FE788*	RHEL Server 8 Skts 4 Guests Std Subs Only 5Yr							✓
00FE789*	00FE789*	RHEL Server 8 Skts Unlimited Guests Std Subs Only 5Yr							✓
00FE790*	00FE790*	RHEL Server 8 Skts 1 Guest Prem RH Support 5Yr							✓
00FE791*	00FE791*	RHEL Server 8 Skts 4 Guests Prem RH Support 5Yr							✓
00FE792*	00FE792*	RHEL Server 8 Skts Unlimited Guests Prem RH Support 5Yr							✓
00FE793*	00FE793*	RHEL Server 8 Skts 1 Guest Std RH Support 5Yr							✓
00FE794*	00FE794*	RHEL Server 8 Skts 4 Guests Std RH Support 5Yr							✓
00FE795*	00FE795*	RHEL Server 8 Skts Unlimited Guests Std RH Support 5Yr							✓
00FE796*	00FE796*	RHEL for HPC 2 Skts Compute Nodes Subscription 5Yr		✓	✓				
00FE797*	00FE797*	RHEL for HPC 4 Skts Compute Nodes Subscription 5Yr							✓
00FE798*	00FE798*	RHEL for HPC 2 Skts Head Node Prem Subs Only 5Yr		✓	✓				
00FE799*	00FE799*	RHEL for HPC 2 Skts Head Node Std Subs Only 5Yr		✓	✓				
00FE800*	00FE800*	RHEL for HPC 4 Skts Head Node Prem Subs Only 5Yr							✓
00FE801*	00FE801*	RHEL for HPC 4 Skts Head Node Std Subs Only 5Yr							✓
00FE802*	00FE802*	RHEL for HPC 2 Skts Head Node Prem RH Support 5Yr		✓	✓				
00FE803*	00FE803*	RHEL for HPC 2 Skts Head Node Std RH Support 5Yr		✓	✓				

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00FF186*	00FF186*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 3Yr	✓	✓		
00FF187*	00FF187*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 5Yr	✓	✓		
00FF188*	00FF188*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 1Yr				✓
00FF189*	00FF189*	RHEL for HPC 4 Skts Compute Nodes with EUS RH Self Support 3Yr				✓
00FF190*	00FF190*	RHEL for HPC 4 Skts Compute Nodes with EUS RH Self Support 5Yr				✓
00JY357*	00JY357*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 1Yr	✓	✓		
00JY358*	00JY358*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 3Yr	✓	✓		
00JY359*	00JY359*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 5Yr	✓	✓		
00JY360*	00JY360*	RHEL for HPC 4 Skts Compute Nodes with EUS Subs Only 1Yr				✓
00JY361*	00JY361*	RHEL for HPC 4 Skts Compute Nodes with EUS Subs Only 3Yr				✓
00JY362*	00JY362*	RHEL for HPC 4 Skts Compute Nodes with EUS Subs Only 5Yr				✓
00JY363*	00JY363*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 1Yr	✓	✓		
00JY364*	00JY364*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 3Yr	✓	✓		
00JY365*	00JY365*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 5Yr	✓	✓		
00JY366*	00JY366*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 1Yr	✓	✓		
00JY367*	00JY367*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 3Yr	✓	✓		
00JY368*	00JY368*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 5Yr	✓	✓		
00JY369*	00JY369*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 1Yr	✓	✓		
00JY370*	00JY370*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 3Yr	✓	✓		
00JY371*	00JY371*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 5Yr	✓	✓		
00JY372*	00JY372*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Suppor NonProduction 1Yr	✓	✓		
00JY373*	00JY373*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Suppor NonProduction 3Yr	✓	✓		
00JY374*	00JY374*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Suppor NonProduction 5Yr	✓	✓		
00JY399*	00JY399*	RHEL SAP HANA 6.X Media	✓	✓	✓	✓

Notes:

- OS offerings must be purchased with new hardware.
- Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
- All Linux offerings are installed by the customer.
- Linux offerings may also be purchased as a renewal to a subscription that was previously purchased from Lenovo.
- Red Hat offerings that do not include Red Hat Support must be ordered with Lenovo support, either Lenovo Remote Technical Support or IBM Support Line.

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* Lenovo has withdrawn this product from marketing.

System x and BladeCenter operating systems offerings

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

System x BladeCenter Flex Systems			Red HatSuseMicrosoft									
Operating Systems offerings												
US Option number	Canadian Option number	Network Operating System (NOS) offerings										
			x3100M5 (5457)	x3250 M5 (5458)	x3300 M4 (7382)	x3500M4 (7383)	x3500 M5 (5464)	x3530M4 (7160)	x3550M4 (7914)	x3550 M5 (5463)	x3630M4 (7158)	x3650M4 (7915)
SUSE												
48151QU*	42C6553*	SUSE LINUX Enterprise Server 1 Socket with 1 yr Subscription		✓	✓							
48151RU*	42C6554*	SUSE LINUX Enterprise Server 1 Socket with 3 yr Subscription		✓	✓							
48153QU	48153QU	SUSE LINUX Enterprise Server 1-32 Sockets with 1 yr Subscription				✓		✓	✓		✓	✓
48153RU	48153RU	SUSE LINUX Enterprise Server 1-32 Sockets with 3 yr Subscription				✓		✓			✓	✓
48154HU	46C0303	SUSE Linux Enterprise Server HPCC 8 pack up to 8 Socket 1 yr Subscription							✓			✓
48155HU	46C0304	SUSE Linux Enterprise Server HPCC 8 pack up to 8 Socket 3 yr Subscription							✓			✓
4815A1U	49Y9068	SUSE Linux Ent Server SAP Business All-in-One Subscription 1yr				✓		✓	✓		✓	✓
4815A2U	49Y9069	SUSE Linux Ent Server SAP Business All-in-One Subscription 3yr				✓		✓	✓		✓	✓
4815A3U	49Y9070	SUSE Linux Ent Srvr SAP Business All-in-One Priority Novell Supp 1Yr				✓		✓	✓		✓	✓
4815A4U	49Y9071	SUSE Linux Ent Srvr SAP Business All-in-One Priority Novell Supp 3Yr				✓		✓	✓		✓	✓
4815R3U	49Y9080	SUSE Linux Enterprise Add on HA Extension 1 yr				✓		✓	✓		✓	✓
4815R4U	49Y9081	SUSE Linux Enterprise Add on HA Extension 3 yr				✓		✓	✓		✓	✓
4815S1U	49Y9072	SUSE Linux Enterprise Add on Standard Novell Support 1 Yr				✓		✓	✓		✓	✓
4815S2U	49Y9073	SUSE Linux Enterprise Add on Standard Novell Support 3 Yr				✓		✓	✓		✓	✓
4815S3U	49Y9074	SUSE Linux Enterprise Add on Priority Novell Support 1 Yr				✓		✓	✓		✓	✓
4815S4U	49Y9075	SUSE Linux Enterprise Add-on Priority Novell Support 3 Yr				✓		✓	✓		✓	✓
4815A5U	80Y9438	SUSE Linux Ent Server for SAP Applications Subscription 1 Yr				✓		✓	✓		✓	✓
4815A6U	80Y9439	SUSE Linux Ent Server for SAP Applications Subscription 3 Yr				✓		✓	✓		✓	✓
4815A7U	80Y9440	SUSE Linux Ent Server for SAP Applications Priority Novell Supp 1 Yr				✓		✓	✓		✓	✓
4815A8U	80Y9441	SUSE Linux Ent Server for SAP Applications Priority Novell Supp 3 Yr				✓		✓	✓		✓	✓
00D8133	00D8133	SLES HPCC up to 8 Socket Subscription 5Yr				✓		✓			✓	✓
00KH269	00KH269	SLES 11 x86 Media	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00KH271	00KH271	SLES for SAP Applications 11 x86 Media	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC000	00YC000	SLES X86 2 Socket Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC002	00YC002	SLES X86 2 Socket Pri Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC004	00YC004	SLES X86 2 Socket Virt Unlimited Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC006	00YC006	SLES X86 2 Socket Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC008	00YC008	SLES X86 2 Socket Pri SUSE Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC010	00YC010	SLES X86 2 Socket Virt Unlimited Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC012	00YC012	SLES X86 2 Socket Std Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC014	00YC014	SLES X86 2 Socket Std Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC016	00YC016	SLES X86 2 Socket Virt Unlimited Std Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC018	00YC018	SLES X86 2 Socket Std SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC020	00YC020	SLES X86 2 Socket Std SUSE Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC022	00YC022	SLES X86 2 Socket Virt Unlimited Std SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

00YC010	00YC010	SLES X86 2 Socket Virt Unlimited Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC012	00YC012	SLES X86 2 Socket Std Subs Only 1Yr	✓	✓	✓	✓
00YC014	00YC014	SLES X86 2 Socket Std Subs Only 5Yr	✓	✓	✓	✓
00YC016	00YC016	SLES X86 2 Socket Virt Unlimited Std Subs Only 3Yr	✓	✓	✓	✓
00YC018	00YC018	SLES X86 2 Socket Std SUSE Support 1Yr	✓	✓	✓	✓
00YC020	00YC020	SLES X86 2 Socket Std SUSE Support 5Yr	✓	✓	✓	✓
00YC022	00YC022	SLES X86 2 Socket Virt Unlimited Std SUSE Support 3Yr	✓	✓	✓	✓
00YC024	00YC024	SLES for SAP Applications 2 Socket Pri Subs Only 1Yr	✓	✓	✓	✓
00YC026	00YC026	SLES for SAP Applications 2 Socket Pri Subs Only 5Yr	✓	✓	✓	✓
00YC028	00YC028	SLES for SAP Applications 2 Socket Virt Unlimited Pri Subs Only 3Yr	✓	✓	✓	✓
00YC030	00YC030	SLES for SAP Applications 2 Socket Pri SUSE Support 1Yr	✓	✓	✓	✓
00YC032	00YC032	SLES for SAP Applications 2 Socket Pri SUSE Support 5Yr	✓	✓	✓	✓
00YC034	00YC034	SLES for SAP Applications 2 Socket Virt Unlimited Pri SUSE Supp 3Yr	✓	✓	✓	✓
00YC036	00YC036	SUSE Linux Enterprise HPC Basic SUSE Support 1Yr	✓	✓	✓	✓
00YC038	00YC038	SUSE Linux Enterprise HPC Basic SUSE Support 5Yr	✓	✓	✓	✓
00YC040	00YC040	SUSE Linux Enterprise HPC Standard SUSE Support 3Yr	✓	✓	✓	✓
00YC042	00YC042	SUSE Linux Enterprise HPC Priority SUSE Support 1Yr	✓	✓	✓	✓
00YC044	00YC044	SUSE Linux Enterprise HPC Priority SUSE Support 5Yr	✓	✓	✓	✓
00YC046	00YC046	SLES HA Extension 2 Socket 3Yr	✓	✓	✓	✓
00YC048	00YC048	SLES Geo Clustering Extension 2 Socket 1Yr	✓	✓	✓	✓
00YC050	00YC050	SLES Geo Clustering Extension 2 Socket 5Yr	✓	✓	✓	✓
00YC052	00YC052	SUSE Manager Server Pri Subs Only 3Yr	✓	✓	✓	✓
00YC054	00YC054	SUSE Manager Server 50 Managed Instances Pri Subs Only 3Yr	✓	✓	✓	✓
00YC056	00YC056	SUSE Manager Proxy Server Pri Subs Only 3Yr	✓	✓	✓	✓
00YC058	00YC058	SUSE Manager Lifecycle Management 2 skt/2 VM Pri Subs Only 3Yr	✓	✓	✓	✓
00YC060	00YC060	SUSE Manager Lifecycle Mgmt Unlimited VMs Pri Subs Only 3Yr	✓	✓	✓	✓
00YC062	00YC062	SUSE Manager Monitoring 2 socket/2 VM Pri Subs Only 3Yr	✓	✓	✓	✓
00YC064	00YC064	SUSE Manager Monitoring Unlimited VMs Pri Subs Only 3Yr	✓	✓	✓	✓
00YC066	00YC066	SUSE Manager Server Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC068	00YC068	SUSE Manager Server 50 Managed Instances Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC070	00YC070	SUSE Manager Proxy Server Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC072	00YC072	SUSE Manager Lifecycle Management 2 skt/2 VM Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC074	00YC074	SUSE Manager Lifecycle Mgmt Unlimited VMs Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC076	00YC076	SUSE Manager Monitoring 2 socket/2 VM Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC078	00YC078	SUSE Manager Monitoring Unlimited VMs Pri SUSE Support 3Yr	✓	✓	✓	✓
00YC080	00YC080	SUSE Cloud Control Node Pri Subs Only 1Yr	✓	✓	✓	✓
00YC082	00YC082	SUSE Cloud Control Node plus Admin Server Pri Subs Only 1Yr	✓	✓	✓	✓
00YC084	00YC084	SUSE Cloud Compute Node 2 Socket Pri Subs Only 1Yr	✓	✓	✓	✓
00YC088	00YC088	SUSE Cloud Control Node Pri SUSE Support 1Yr	✓	✓	✓	✓
00YC090	00YC090	SUSE Cloud Control Node plus Admin Server Pri SUSE Support 1Yr	✓	✓	✓	✓
00YC092	00YC092	SUSE Cloud Compute Node 2 Socket Pri SUSE Support 1Yr	✓	✓	✓	✓
00YC094	00YC094	SUSE OpenStack Cloud Compute Node Microsoft Hyper-V Pri SubsOnly 1Yr	✓	✓	✓	✓
00YC096	00YC096	SUSE OpenStack Cloud Swift Storage Node Pri Subs Only 1Yr	✓	✓	✓	✓
00YC098	00YC098	SUSE OpenStack Cloud Compute Node Microsoft Hyper-V Pri SUSE Sup 1Yr	✓	✓	✓	✓
00YC100	00YC100	SUSE OpenStack Cloud Swift Storage Pri SUSE Support 1Yr	✓	✓	✓	✓
00YC102	00YC102	SUSE Enterprise Storage Base Configuration Pri Subs Only 1Yr	✓	✓	✓	✓
00YC104	00YC104	SUSE Enterprise Storage Expansion Node Pri Subs Only 1Yr	✓	✓	✓	✓
00YC106	00YC106	SUSE Enterprise Storage Base Configuration Pri SUSE Support 1Yr	✓	✓	✓	✓
00YC108	00YC108	SUSE Enterprise Storage Expansion Node Pri SUSE Support 1Yr	✓	✓	✓	✓

- Notes:**
1. OS offerings must be purchased with new hardware.
 2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
 3. All Linux offerings are installed by the customer.
 4. Linux offerings may also be purchased as a renewal to a subscription that was previously purchased from Lenovo.

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* Lenovo has withdrawn this product from marketing.

System x and BladeCenter operating systems offerings

Attention:

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All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

• System x			• BladeCenter			• Flex Systems												
									Red Hat		Suse		Microsoft					
Operating Systems offerings																		
US Option number	Canadian Option number	Network Operating System (NOS) offerings																

00Y6335	00Y6335	Windows Server CAL 2012 (10 User) - Multilanguage	✓	✓	✓	✓
00Y6336	00Y6336	Windows Server CAL 2012 (50 User) - Multilanguage	✓	✓	✓	✓
00Y6337	00Y6337	Windows Server CAL 2012 (1 Device) - Multilanguage	✓	✓	✓	✓
00Y6338	00Y6338	Windows Server CAL 2012 (5 Device) - Multilanguage	✓	✓	✓	✓
00Y6339	00Y6339	Windows Server CAL 2012 (10 Device) - Multilanguage	✓	✓	✓	✓
00Y6340	00Y6340	Windows Server CAL 2012 (50 Device) - Multilanguage	✓	✓	✓	✓
00Y6341	00Y6341	Windows Remote Desktop Services CAL 2012 (1 User) - Multilanguage	✓	✓	✓	✓
00Y6342	00Y6342	Windows Remote Desktop Services CAL 2012 (5 User) - Multilanguage	✓	✓	✓	✓
00Y6343	00Y6343	Windows Remote Desktop Services CAL 2012 (1 Device) - Multilanguage	✓	✓	✓	✓
00Y6344	00Y6344	Windows Remote Desktop Services CAL 2012 (5 Device) - Multilanguage	✓	✓	✓	✓
47C9317*	47C9317*	Windows 2012 Essentials (1-2CPU) - English ROK	✓	✓		
00Y6462	00Y6462	Win Svr Datacenter 2012 to 2008 R2 Downgrade Kit - Multilanguage ROK			✓	
00Y6468	00Y6468	Win Svr Standard 2012 to 2008 R2 Downgrade Kit - Multilanguage ROK			✓	
00FF238	00FF238	Windows Server 2012 R2 Foundation ROK (1CPU) - MultiLang				
00FF245	00FF245	Windows Server 2012 R2 Standard ROK (2CPU/2VMs) - MultiLang	✓	✓	✓	✓
00FF252	00FF252	Windows Server 2012 R2 Standard ROK (4CPU/4VMs) - MultiLang	✓	✓	✓	✓
00FF259	00FF259	Windows Server 2012 R2 Datacenter ROK (2CPU) - MultiLang	✓	✓	✓	✓
00FF266	00FF266	Windows Server 2012 R2 Datacenter ROK (4CPU) - MultiLang	✓	✓	✓	✓
00FF273	00FF273	Windows Storage Server 2012 R2 Standard ROK (2CPU/2VMs) - MultiLang	✓	✓	✓	✓
00FF280	00FF280	Windows Storage Server 2012 R2 Standard ROK (4CPU/4VMs) - MultiLang	✓	✓	✓	✓
00FF287	00FF287	Windows Server 2012 R2 Essentials ROK (1-2CPU) - MultiLang	✓	✓		
OS Level (OS)Offerings						
-	-	Windows Server 2008 R2 Standard (1-4 CPU, 5 CAL), EN, FR, IT, DE, ES, RU, JA, CS, PL, TR , KO, BR (not preinstalled)			✓	
-	-	Windows Server 2008 R2 Enterprise (1-8 CPU, 25 CAL), EN, FR, IT, DE, ES, RU, JA, CS, PL, TR, KO, BR (not preinstalled)			✓	
-	-	Windows Server 2008 R2 Enterprise (1-8 CPU, 10 CAL), EN, FR, IT, DE, ES, RU, JA, CS, PL, TR, KO, BR (not preinstalled)			✓	
-	-	Windows Server 2008 R2 Datacenter (4 CPU , 5 UserCAL), EN, FR, IT, DE, ES, RU, JA, CS, PL, TR, KO, BR (not preinstalled)			✓	
-	-	Windows Server 2008 R2 Standard (1-4 CPU, 5 CAL) (factory installed)			✓	
-	-	Windows Server 2008 R2 Enterprise (1-8 CPU, 25 CAL) (factory installed)			✓	
-	-	Windows Server 2008 R2 Enterprise (1-8 CPU, 10 CAL) (factory installed)			✓	
-	-	Windows Server 2008 R2 Datacenter (4 CPU , 5 UserCAL) (factory installed)			✓	

- Notes:**
- 1. OS offerings must be purchased with new hardware.
 - 2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
 - 3. IBM ROK is available from your local Lenovo Business Partner. For additional IBM ROK pricing and terms, please contact your System x Distributor for full details.

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System x and BladeCenter operating systems offerings

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The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

System x		BladeCenter		Flex Systems							
						Red Hat	Suse	Solaris	Microsoft		
Operating Systems offerings											
US Option number	Canadian Option number	Network Operating System (NOS) offerings									

4815VQU	4815VQU	RHEV Server 1 Socket Std Subs Only 1Yr	↗
4815VRU	4815VRU	RHEV Server 1 Socket Std Subs Only 3Yr	↗
4815VSU	4815VSU	RHEV Server 1 Socket Prem Subs Only 1Yr	↗
4815VTU	4815VTU	RHEV Server 1 Socket Prem Subs Only 3Yr	↗
4815VUU*	4815VUU*	RHEL Scalable File System 2 sockets RH Support 1Yr	↗
4815VXU*	4815VXU*	RHEL Scalable File System 2 sockets RH Support 3Yr	↗
4815W0U*	4815W0U*	RHEL Server 2 Skts 1 Guest Prem RH Support 1Yr	↗
4815W1U*	4815W1U*	RHEL Server 2 Skts 4 Guests Prem RH Support 1Yr	↗
4815W2U*	4815W2U*	RHEL Server 2 Skts Unlimited Guests Prem RH Support 1Yr	↗
4815W3U*	4815W3U*	RHEL Server 2 Skts 1 Guest Std RH Support 1Yr	↗
4815W4U*	4815W4U*	RHEL Server 2 Skts 4 Guests Std RH Support 1Yr	↗
4815W5U*	4815W5U*	RHEL Server 2 Skts Unlimited Guests Std RH Support 1Yr	↗
4815W6U*	4815W6U*	RHEL Server 2 Skts 1 Guest Prem RH Support 3Yr	↗
4815W7U*	4815W7U*	RHEL Server 2 Skts 4 Guests Prem RH Support 3Yr	↗
4815W8U*	4815W8U*	RHEL Server 2 Skts Unlimited Guests Prem RH Support 3Yr	↗
4815W9U*	4815W9U*	RHEL Server 2 Skts 1 Guest Std RH Support 3Yr	↗
4815WAU*	4815WAU*	RHEL Server 2 Skts 4 Guests Std RH Support 3Yr	↗
4815WBU*	4815WBU*	RHEL Server 2 Skts Unlimited Guests Std RH Support 3Yr	↗
4815X0U*	4815X0U*	RHEL Server 2 Skts 1 Guest Prem Subs Only 1Yr	↗
4815X1U*	4815X1U*	RHEL Server 2 Skts 4 Guests Prem Subs Only 1Yr	↗
4815X2U*	4815X2U*	RHEL Server 2 Skts Unlimited Guests Prem Subs Only 1Yr	↗
4815X3U*	4815X3U*	RHEL Server 2 Skts 1 Guest Std Subs Only 1Yr	↗
4815X4U*	4815X4U*	RHEL Server 2 Skts 4 Guests Std Subs Only 1Yr	↗
4815X5U*	4815X5U*	RHEL Server 2 Skts Unlimited Guests Std Subs Only 1Yr	↗
4815X6U*	4815X6U*	RHEL Server 2 Skts 1 Guest Prem Subs Only 3Yr	↗
4815X7U*	4815X7U*	RHEL Server 2 Skts 4 Guests Prem Subs Only 3Yr	↗
4815X8U*	4815X8U*	RHEL Server 2 Skts Unlimited Guests Prem Subs Only 3Yr	↗
4815X9U*	4815X9U*	RHEL Server 2 Skts 1 Guest Std Subs Only 3Yr	↗
4815XAU*	4815XAU*	RHEL Server 2 Skts 4 Guests Std Subs Only 3Yr	↗
4815XBU*	4815XBU*	RHEL Server 2 Skts Unlimited Guests Std Subs Only 3Yr	↗
4815Y0U*	4815Y0U*	RHEL High-Availability 2 Sockets Subs Only 1Yr	↗
4815Y3U*	4815Y3U*	RHEL High-Availability 2 Sockets Subs Only 3Yr	↗
4815Y6U*	4815Y6U*	RHEL High-Availability 2 Sockets RH Support 1Yr	↗
4815Y9U*	4815Y9U*	RHEL High-Availability 2 Sockets RH Support 3Yr	↗
4815YCU*	4815YCU*	RHEL Resilient Storage 2 Sockets Subs Only 1Yr	↗
4815YFU*	4815YFU*	RHEL Resilient Storage 2 Sockets Subs Only 3Yr	↗
4815YIU*	4815YIU*	RHEL Resilient Storage 2 Sockets RH Support 1Yr	↗
4815YLU*	4815YLU*	RHEL Resilient Storage 2 Sockets RH Support 3Yr	↗
4815YOU*	4815YOU*	RHEL Load Balancer 2 Sockets Subs Only 1Yr	↗
4815YRU*	4815YRU*	RHEL Load Balancer 2 Sockets Subs Only 3Yr	↗
4815YUU*	4815YUU*	RHEL Load Balancer 2 Sockets RH Support 1Yr	↗
4815YXU*	4815YXU*	RHEL Load Balancer 2 Sockets RH Support 3Yr	↗
4815Z0U*	4815Z0U*	RHEL High Perf Network 2 Sockets Subs Only 1Yr	↗
4815Z3U*	4815Z3U*	RHEL High Perf Network 2 Sockets Subs Only 3Yr	↗
4815Z6U*	4815Z6U*	RHEL High Perf Network 2 Sockets RH Support 1Yr	↗
4815Z9U*	4815Z9U*	RHEL High Perf Network 2 Sockets RH Support 3Yr	↗
4815ZCU*	4815ZCU*	RHEL Smart Management 1 Guest Subs Only 1Yr	↗
4815ZDU*	4815ZDU*	RHEL Smart Management 4 Guests Subs Only 1Yr	↗
4815ZEU*	4815ZEU*	RHEL Smart Management Unlimited Guests Subs Only 1Yr	↗
4815ZFU*	4815ZFU*	RHEL Smart Management 1 Guest Subs Only 3Yr	↗
4815ZGU*	4815ZGU*	RHEL Smart Management 4 Guests Subs Only 3Yr	↗
4815ZHU*	4815ZHU*	RHEL Smart Management Unlimited Guests Subs Only 3Yr	↗
4815ZIU*	4815ZIU*	RHEL Smart Management 1 Guest RH Support 1Yr	↗
4815ZJU*	4815ZJU*	RHEL Smart Management 4 Guests RH Support 1Yr	↗
4815ZKU*	4815ZKU*	RHEL Smart Management Unlimited Guests RH Support 1Yr	↗
4815ZLU*	4815ZLU*	RHEL Smart Management 1 Guest RH Support 3Yr	↗
4815ZMU*	4815ZMU*	RHEL Smart Management 4 Guests RH Support 3Yr	↗
4815ZNU*	4815ZNU*	RHEL Smart Management Unlimited Guests RH Support 3Yr	↗
4815ZOU*	4815ZOU*	RHEL Extended Update Support 2 Sockets Subs Only 1Yr	↗
4815ZRU*	4815ZRU*	RHEL Extended Update Support 2 Sockets Subs Only 3Yr	↗
4815ZUU*	4815ZUU*	RHEL Extended Update Support 2 Sockets RH Support 1Yr	↗
4815ZXU*	4815ZXU*	RHEL Extended Update Support 2 Sockets RH Support 3Yr	↗
00FE760*	00FE760*	RHEL Server 2 Skts 1 Guest Prem Subs Only 5Yr	↗
00FE761*	00FE761*	RHEL Server 2 Skts 4 Guests Prem Subs Only 5Yr	↗
00FE762*	00FE762*	RHEL Server 2 Skts Unlimited Guests Prem Subs Only 5Yr	↗
00FE763*	00FE763*	RHEL Server 2 Skts 1 Guest Std Subs Only 5Yr	↗
00FE764*	00FE764*	RHEL Server 2 Skts 4 Guests Std Subs Only 5Yr	↗
00FE765*	00FE765*	RHEL Server 2 Skts Unlimited Guests Std Subs Only 5Yr	↗
00FE766*	00FE766*	RHEL Server 2 Skts 1 Guest Prem RH Support 5Yr	↗
00FE767*	00FE767*	RHEL Server 2 Skts 4 Guests Prem RH Support 5Yr	↗
00FE768*	00FE768*	RHEL Server 2 Skts Unlimited Guests Prem RH Support 5Yr	↗
00FE769*	00FE769*	RHEL Server 2 Skts 1 Guest Std RH Support 5Yr	↗
00FE770*	00FE770*	RHEL Server 2 Skts 4 Guests Std RH Support 5Yr	↗
00FE771*	00FE771*	RHEL Server 2 Skts Unlimited Guests Std RH Support 5Yr	↗
00FE796*	00FE796*	RHEL for HPC 2 Skts Compute Nodes Subscription 5Yr	↗
00FE798*	00FE798*	RHEL for HPC 2 Skts Head Node Prem Subs Only 5Yr	↗
00FE799*	00FE799*	RHEL for HPC 2 Skts Head Node Std Subs Only 5Yr	↗
00FE802*	00FE802*	RHEL for HPC 2 Skts Head Node Prem RH Support 5Yr	↗
00FE803*	00FE803*	RHEL for HPC 2 Skts Head Node Std RH Support 5Yr	↗
00FE806*	00FE806*	Red Hat Network Satellite Server Prem Subs Only 5Yr	↗
00FE807*	00FE807*	Red Hat Network Satellite Server Prem RH Support 5Yr	↗
00FE808*	00FE808*	RHEL High-Availability 2 Sockets Subs Only 5Yr	↗
00FE811*	00FE811*	RHEL High-Availability 2 Sockets RH Support 5Yr	↗

00FE814*	00FE814*	RHEL Resilient Storage 2 Sockets Subs Only 5Yr	✓
00FE817*	00FE817*	RHEL Resilient Storage 2 Sockets RH Support 5Yr	✓
00FE820*	00FE820*	RHEL Scalable File System 2 sockets Subs Only 5Yr	✓
00FE823*	00FE823*	RHEL Scalable File System 2 sockets RH Support 5Yr	✓
00FE826*	00FE826*	RHEL Load Balancer 2 Sockets Subs Only 5Yr	✓
00FE829*	00FE829*	RHEL Load Balancer 2 Sockets RH Support 5Yr	✓
00FE832*	00FE832*	RHEL High Perf Network 2 Sockets Subs Only 5Yr	✓
00FE835*	00FE835*	RHEL High Perf Network 2 Sockets RH Support 5Yr	✓
00FE838*	00FE838*	RHEL Smart Management 1 Guest Subs Only 5Yr	✓
00FE839*	00FE839*	RHEL Smart Management 4 Guests Subs Only 5Yr	✓
00FE840*	00FE840*	RHEL Smart Management Unlimited Guests Subs Only 5Yr	✓
00FE841*	00FE841*	RHEL Smart Management 1 Guest RH Support 5Yr	✓
00FE842*	00FE842*	RHEL Smart Management 4 Guests RH Support 5Yr	✓
00FE843*	00FE843*	RHEL Smart Management Unlimited Guests RH Support 5Yr	✓
00FE844*	00FE844*	RHEL Extended Update Support 2 Sockets Subs Only 5Yr	✓
00FE847*	00FE847*	RHEL Extended Update Support 2 Sockets RH Support 5Yr	✓
00FF149*	00FF149*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 1Yr	✓
00FF150*	00FF150*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 1Yr	✓
00FF151*	00FF151*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 3Yr	✓
00FF152*	00FF152*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 3Yr	✓
00FF153*	00FF153*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 5Yr	✓
00FF154*	00FF154*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 5Yr	✓
00FF155*	00FF155*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 1Yr	✓
00FF156*	00FF156*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 1Yr	✓
00FF157*	00FF157*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 3Yr	✓
00FF158*	00FF158*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 3Yr	✓
00FF159*	00FF159*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 5Yr	✓
00FF160*	00FF160*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 5Yr	✓
00FF185*	00FF185*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 1Yr	✓
00FF186*	00FF186*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 3Yr	✓
00FF187*	00FF187*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 5Yr	✓
00JY357*	00JY357*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 1Yr	✓
00JY358*	00JY358*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 3Yr	✓
00JY359*	00JY359*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 5Yr	✓
00JY363*	00JY363*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 1Yr	✓
00JY364*	00JY364*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 3Yr	✓
00JY365*	00JY365*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 5Yr	✓
00JY366*	00JY366*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 1Yr	✓
00JY367*	00JY367*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 3Yr	✓
00JY368*	00JY368*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 5Yr	✓
00JY369*	00JY369*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 1Yr	✓
00JY370*	00JY370*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 3Yr	✓
00JY371*	00JY371*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 5Yr	✓
00JY372*	00JY372*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 1Yr	✓
00JY373*	00JY373*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 3Yr	✓
00JY374*	00JY374*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 5Yr	✓
00JY399*	00JY399*	RHEL SAP HANA 6.X Media	✓

Notes:

1. OS offerings must be purchased with new hardware.
2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
3. All Linux offerings are installed by the customer.
4. Linux offerings may also be purchased as a renewal to a subscription that was previously purchased from Lenovo.
5. Red Hat offerings that do not include Red Hat Support must be ordered with Lenovo support, either Lenovo Remote Technical Support or IBM Support Line.

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All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

System x BladeCenter Flex Systems			Red Hat	Suse	Solaris	Microsoft
Operating Systems offerings						
US Option number	Canadian Option number	Network Operating System (NOS) offerings				
SUSE						
4815CQB	42C6555	SUSE LINUX Enterprise Server for BladeCenter Chassis with 1 yr Subscription				H (8852)
4815CRB	42C6556	SUSE LINUX Enterprise Server for BladeCenter Chassis with 3 yr Subscription				HS23 (7875)
48153QU	48153QU	SUSE LINUX Enterprise Server 1-32 Sockets with 1 yr Subscription				HT AC (8750)
48153RU	48153RU	SUSE LINUX Enterprise Server 1-32 Sockets with 3 yr Subscription				HT DC (8740)
48154HU	46C0303	SUSE Linux Enterprise Server HPCC 8 pack up to 8 Socket 1 yr Subscription				S (8886)
48155HU	46C0304	SUSE Linux Enterprise Server HPCC 8 pack up to 8 Socket 3 yr Subscription				
4815A1U	49Y9068	SUSE Linux Ent Server SAP Business All-in-One Subscription 1yr				
4815A2U	49Y9069	SUSE Linux Ent Server SAP Business All-in-One Subscription 3yr				
4815A3U	49Y9070	SUSE Linux Ent Srvr SAP Business All-in-One Priority Novell Supp 1Yr				
4815A4U	49Y9071	SUSE Linux Ent Srvr SAP Business All-in-One Priority Novell Supp 3Yr				
4815R3U	49Y9080	SUSE Linux Enterprise Add on HA Extension 1 yr				
4815R4U	49Y9081	SUSE Linux Enterprise Add on HA Extension 3 yr				
4815S1U	49Y9072	SUSE Linux Enterprise Add on Standard Novell Support 1 Yr				
4815S2U	49Y9073	SUSE Linux Enterprise Add on Standard Novell Support 3 Yr				
4815S3U	49Y9074	SUSE Linux Enterprise Add on Priority Novell Support 1 Yr				
4815S4U	49Y9075	SUSE Linux Enterprise Add-on Priority Novell Support 3 Yr				
4815A5U	80Y9438	SUSE Linux Ent Server for SAP Applications Subscription 1 Yr				
4815A6U	80Y9439	SUSE Linux Ent Server for SAP Applications Subscription 3 Yr				
4815A7U	80Y9440	SUSE Linux Ent Server for SAP Applications Priority Novell Supp 1 Yr				
4815A8U	80Y9441	SUSE Linux Ent Server for SAP Applications Priority Novell Supp 3 Yr				
00D8133	00D8133	SLES HPCC up to 8 Socket Subscription 5Yr				
00KH269	00KH269	SLES 11 x86 Media				
00KH271	00KH271	SLES for SAP Applications 11 x86 Media				
00YC000	00YC000	SLES X86 2 Socket Pri Subs Only 1Yr				
00YC002	00YC002	SLES X86 2 Socket Pri Subs Only 5Yr				
00YC004	00YC004	SLES X86 2 Socket Virt Unlimited Pri Subs Only 3Yr				
00YC006	00YC006	SLES X86 2 Socket Pri SUSE Support 1Yr				
00YC008	00YC008	SLES X86 2 Socket Pri SUSE Support 5Yr				
00YC010	00YC010	SLES X86 2 Socket Virt Unlimited Pri SUSE Support 3Yr				
00YC012	00YC012	SLES X86 2 Socket Std Subs Only 1Yr				
00YC014	00YC014	SLES X86 2 Socket Std Subs Only 5Yr				
00YC016	00YC016	SLES X86 2 Socket Virt Unlimited Std Subs Only 3Yr				
00YC018	00YC018	SLES X86 2 Socket Std SUSE Support 1Yr				
00YC020	00YC020	SLES X86 2 Socket Std SUSE Support 5Yr				
00YC022	00YC022	SLES X86 2 Socket Virt Unlimited Std SUSE Support 3Yr				
00YC024	00YC024	SLES for SAP Applications 2 Socket Pri Subs Only 1Yr				
00YC026	00YC026	SLES for SAP Applications 2 Socket Pri Subs Only 5Yr				
00YC028	00YC028	SLES for SAP Applications 2 Socket Virt Unlimited Pri Subs Only 3Yr				

00YC030	00YC030	SLES for SAP Applications 2 Socket Pri SUSE Support 1Yr	✓
00YC032	00YC032	SLES for SAP Applications 2 Socket Pri SUSE Support 5Yr	✓
00YC034	00YC034	SLES for SAP Applications 2 Socket Virt Unlimited Pri SUSE Supp 3Yr	✓
00YC036	00YC036	SUSE Linux Enterprise HPC Basic SUSE Support 1Yr	✓
00YC038	00YC038	SUSE Linux Enterprise HPC Basic SUSE Support 5Yr	✓
00YC040	00YC040	SUSE Linux Enterprise HPC Standard SUSE Support 3Yr	✓
00YC042	00YC042	SUSE Linux Enterprise HPC Priority SUSE Support 1Yr	✓
00YC044	00YC044	SUSE Linux Enterprise HPC Priority SUSE Support 5Yr	✓
00YC046	00YC046	SLES HA Extension 2 Socket 3Yr	✓
00YC048	00YC048	SLES Geo Clustering Extension 2 Socket 1Yr	✓
00YC050	00YC050	SLES Geo Clustering Extension 2 Socket 5Yr	✓
00YC052	00YC052	SUSE Manager Server Pri Subs Only 3Yr	✓
00YC054	00YC054	SUSE Manager Server 50 Managed Instances Pri Subs Only 3Yr	✓
00YC056	00YC056	SUSE Manager Proxy Server Pri Subs Only 3Yr	✓
00YC058	00YC058	SUSE Manager Lifecycle Management 2 skt/2 VM Pri Subs Only 3Yr	✓
00YC060	00YC060	SUSE Manager Lifecycle Mgmt Unlimited VMs Pri Subs Only 3Yr	✓
00YC062	00YC062	SUSE Manager Monitoring 2 socket/2 VM Pri Subs Only 3Yr	✓
00YC064	00YC064	SUSE Manager Monitoring Unlimited VMs Pri Subs Only 3Yr	✓
00YC066	00YC066	SUSE Manager Server Pri SUSE Support 3Yr	✓
00YC068	00YC068	SUSE Manager Server 50 Managed Instances Pri SUSE Support 3Yr	✓
00YC070	00YC070	SUSE Manager Proxy Server Pri SUSE Support 3Yr	✓
00YC072	00YC072	SUSE Manager Lifecycle Management 2 skt/2 VM Pri SUSE Support 3Yr	✓
00YC074	00YC074	SUSE Manager Lifecycle Mgmt Unlimited VMs Pri SUSE Support 3Yr	✓
00YC076	00YC076	SUSE Manager Monitoring 2 socket/2 VM Pri SUSE Support 3Yr	✓
00YC078	00YC078	SUSE Manager Monitoring Unlimited VMs Pri SUSE Support 3Yr	✓
00YC080	00YC080	SUSE Cloud Control Node Pri Subs Only 1Yr	✓
00YC082	00YC082	SUSE Cloud Control Node plus Admin Server Pri Subs Only 1Yr	✓
00YC084	00YC084	SUSE Cloud Compute Node 2 Socket Pri Subs Only 1Yr	✓
00YC088	00YC088	SUSE Cloud Control Node Pri SUSE Support 1Yr	✓
00YC090	00YC090	SUSE Cloud Control Node plus Admin Server Pri SUSE Support 1Yr	✓
00YC092	00YC092	SUSE Cloud Compute Node 2 Socket Pri SUSE Support 1Yr	✓
00YC094	00YC094	SUSE OpenStack Cloud Compute Node Microsoft Hyper-V Pri SubsOnly 1Yr	✓
00YC096	00YC096	SUSE OpenStack Cloud Swift Storage Node Pri Subs Only 1Yr	✓
00YC098	00YC098	SUSE OpenStack Cloud Compute Node Microsoft Hyper-V Pri SUSE Sup 1Yr	✓
00YC100	00YC100	SUSE OpenStack Cloud Swift Storage Pri SUSE Support 1Yr	✓
00YC102	00YC102	SUSE Enterprise Storage Base Configuration Pri Subs Only 1Yr	✓
00YC104	00YC104	SUSE Enterprise Storage Expansion Node Pri Subs Only 1Yr	✓
00YC106	00YC106	SUSE Enterprise Storage Base Configuration Pri SUSE Support 1Yr	✓
00YC108	00YC108	SUSE Enterprise Storage Expansion Node Pri SUSE Support 1Yr	✓

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The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

[illegible]

Notes:

1. OS offerings must be purchased with new hardware.
2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.

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System x and BladeCenter operating systems offerings

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The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

System x		BladeCenter		Flex Systems	
		Red Hat	Suse	Solaris	Microsoft
Operating Systems offerings					
US Option number	Canadian Option number	Network Operating System (NOS) offerings			
		H (8852)	HS23 (7875)	HT AC (8750)	HT DC (8740)
		S (8886)			
Microsoft					
4849C7E*	4849C7E*	IBM Reseller Option Kit for Microsoft Windows Compute Cluster Server 2003 - English			
4849DEE*	4849DEE*	MS Windows Server 2008 Enterprise Ed (1-8 CPU, 25 CAL) ROK - English			
4849DSE*	4849DSE*	MS Windows Server 2008 Standard Ed (1-4 CPU, 5 CAL) ROK - English			
4849EGE*	4849EGE*	MS Windows Server 2008 Datacenter Ed (2 CPU, 5 CAL) ROK - English			
4849KCM*	4849KCM*	MS Windows Server 2008 CAL (5 user) - Multi-lingual			
4849KDM*	4849KDM*	MS Windows Server 2008 CAL (5 device) - Multi-lingual			
4849F2E*	4849F2E*	MS Windows SBS 2008 Standard (1-4 CPU, 5 CAL) ROK - English			
4849F4E*	4849F4E*	MS Windows SBS 2008 Premium (1-4 CPU, 5 CAL) ROK - English			
4849H7E*	4849H7E*	MS Windows HPC Server 2008 (1-4 CPU) ROK - English			
4849JEE*	4849JEE*	MS Windows Server 2008 Enterprise (1-8 CPU, 25 CAL) ROK w/ W2k3 downgrade - English			
4849JSE*	4849JSE*	MS Windows Server 2008 Standard (1-4 CPU, 5 CAL) ROK w/ W2k3 downgrade - English			
4849DTE*	4849DTE*	MS Windows Server 2008 Enterprise Ed (1-8 CPU, 10 CAL) ROK - English			
4849KDA*	4849KDA*	MS Windows Small Business Server 2008 CAL Suite for 1 Device			
4849KDB*	4849KDB*	MS Windows Small Business Server 2008 CAL Suite for 1 Premium Device			
4849KCA*	4849KCA*	MS Windows Small Business Server 2008 CAL Suite for 1 User			
4849KCB*	4849KCB*	MS Windows Small Business Server 2008 CAL Suite for 1 Premium User			
4849MVN	4849MVN	MS Sys Ctr Virtual Machine Mgr 2008 R2 Workgroup Ed ROK - Multilang			
4849KDF	4849KDF	WindowsA® Small Business Server 2011 CAL Suite (1 Device)			
4849KDG	4849KDG	WindowsA® Small Business Server 2011 Prem Add-On CAL Suite (1 Device)			
4849MJE	4849MJE	WindowsA® SBS Standard 2011 (1-4 CPU, 5 CAL) ROK - English			
4849MKE	4849MKE	WindowsA® SBS 2011 Premium Add-on (1-4 CPU, 5 CAL) ROK - English			
4849KCF	4849KCF	WindowsA® Small Business Server 2011 CAL Suite (1 User)			
4849KCG	4849KCG	WindowsA® Small Business Server 2011 Prem Add-On CAL Suite (1 User)			
4849MNN*	4849MNN*	WindowsA® SBS Essentials 2011 (1-2 CPU) ROK - Multilang			
00Y6264*	00Y6264*	Windows Server Standard 2012 (2CPU) - English ROK			
00Y6283*	00Y6283*	Windows Server Datacenter 2012 (2CPU) - English ROK			
00Y6302*	00Y6302*	Win Stg Srv 2012 Standard (2CPU) - English ROK			
00Y6325	00Y6325	Windows Srv Datacenter 2012 2CPU Additional License ROK -Multilang			
00Y6329	00Y6329	Win Stg Srv 2012 Std 2CPU Additional License ROK -Multilang			
00Y6333	00Y6333	Windows Server CAL 2012 (1 User) - Multilanguage			
00Y6334	00Y6334	Windows Server CAL 2012 (5 User) - Multilanguage			
00Y6335	00Y6335	Windows Server CAL 2012 (10 User) - Multilanguage			
00Y6336	00Y6336	Windows Server CAL 2012 (50 User) - Multilanguage			
00Y6337	00Y6337	Windows Server CAL 2012 (1 Device) - Multilanguage			
00Y6338	00Y6338	Windows Server CAL 2012 (5 Device) - Multilanguage			
00Y6339	00Y6339	Windows Server CAL 2012 (10 Device) - Multilanguage			
00Y6340	00Y6340	Windows Server CAL 2012 (50 Device) - Multilanguage			
00Y6341	00Y6341	Windows Remote Desktop Services CAL 2012 (1 User) - Multilanguage			

00Y6342	00Y6342	Windows Remote Desktop Services CAL 2012 (5 User) - Multilanguage	✓
00Y6343	00Y6343	Windows Remote Desktop Services CAL 2012 (1 Device) - Multilanguage	✓
00Y6344	00Y6344	Windows Remote Desktop Services CAL 2012 (5 Device) - Multilanguage	✓
47C9317*	47C9317*	Windows 2012 Essentials (1-2CPU) - English ROK	✓
00Y6462	00Y6462	Win Svr Datacenter 2012 to 2008 R2 Downgrade Kit - Multilanguage ROK	✓
00Y6468	00Y6468	Win Svr Standard 2012 to 2008 R2 Downgrade Kit - Multilanguage ROK	✓
00FF245	00FF245	Windows Server 2012 R2 Standard ROK (2CPU/2VMs) - MultiLang	✓
00FF252	00FF252	Windows Server 2012 R2 Standard ROK (4CPU/4VMs) - MultiLang	✓
00FF259	00FF259	Windows Server 2012 R2 Datacenter ROK (2CPU) - MultiLang	✓
00FF266	00FF266	Windows Server 2012 R2 Datacenter ROK (4CPU) - MultiLang	✓
00FF273	00FF273	Windows Storage Server 2012 R2 Standard ROK (2CPU/2VMs) - MultiLang	✓
00FF280	00FF280	Windows Storage Server 2012 R2 Standard ROK (4CPU/4VMs) - MultiLang	✓
00FF287	00FF287	Windows Server 2012 R2 Essentials ROK (1-2CPU) - MultiLang	✓

- Notes:**
- 1. OS offerings must be purchased with new hardware.
 - 2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
 - 3. IBM ROK is available from your local Lenovo Business Partner. For additional IBM ROK pricing and terms, please contact your System x Distributor for full details.

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* Lenovo has withdrawn this product from marketing.

System x and BladeCenter operating systems offerings

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

			System x BladeCenter Flex Systems									
			Red Hat Suse Microsoft									
Operating Systems offerings												
US Option number	Canadian Option number	Network Operating System (NOS) offerings										
			Flex x240 (8737)	Flex x240 M5 (9532)	Flex x440 (7167)	Flex x280 X6 (7196)	Flex x480 X6 (7196)	Flex x880 X6 (7196)	Flex x280 X6 (7903)	Flex x480 X6 (7903)	Flex x880 X6 (7903)	
Red Hat												
48156HU*	48156HU*	Red Hat Enterprise Linux HPCC 4 pack Red Hat Basic Support Subscription up to 2 Socket 1 yr (Multilanguage)	✓	✓								
48157HU*	48157HU*	Red Hat Enterprise Linux HPCC 4 pack Red Hat Basic Support Subscription up to 2 Socket 3 yr (Multilanguage)	✓	✓								
4815CHU*	4815CHU*	Red Hat Enterprise Linux up to 2 Sockets Standard Subscription 1 yr (Multilanguage)	✓	✓								
4815DHU*	4815DHU*	Red Hat Enterprise Linux up to 2 Sockets Standard Subscription 3 yr (Multilanguage)	✓	✓								
4815EHU*	4815EHU*	Red Hat Enterprise Linux up to 2 Sockets Premium Subscription 1 yr (Multilanguage)	✓	✓								
4815FHU*	4815FHU*	Red Hat Enterprise Linux up to 2 Sockets Premium Subscription 3 yr (Multilanguage)	✓	✓								
4815GHU*	4815GHU*	Red Hat Enterprise Linux up to 2 Sockets Standard Red Hat Support 1 yr (Multilanguage)	✓	✓								
4815HHU*	4815HHU*	Red Hat Enterprise Linux up to 2 Sockets Standard Red Hat Support 3 yr (Multilanguage)	✓	✓								
4815IHU*	4815IHU*	Red Hat Enterprise Linux up to 2 Sockets Premium Red Hat Support 1 yr (Multilanguage)	✓	✓								
4815JHU*	4815JHU*	Red Hat Enterprise Linux up to 2 Sockets Premium Red Hat Support 3 yr (Multilanguage)	✓	✓								
4815KHU*	4815KHU*	Red Hat Enterprise Linux Advanced Platform Standard Subscription 1 yr (Multilanguage)	✓	✓								
4815LHU*	4815LHU*	Red Hat Enterprise Linux Advanced Platform Standard Subscription 3 yr (Multilanguage)	✓	✓								
4815NHU*	4815NHU*	Red Hat Enterprise Linux Advanced Platform Premium Subscription 1 yr (Multilanguage)	✓	✓								
4815OHU*	4815OHU*	Red Hat Enterprise Linux Advanced Platform Premium Subscription 3 yr (Multilanguage)	✓	✓								
4815PHU*	4815PHU*	Red Hat Enterprise Linux Advanced Platform Standard Red Hat Support 1 yr (Multilanguage)	✓	✓								
4815QHU*	4815QHU*	Red Hat Enterprise Linux Advanced Platform Standard Red Hat Support 3 yr (Multilanguage)	✓	✓								
4815RHU*	4815RHU*	Red Hat Enterprise Linux Advanced Platform Premium Red Hat Support 1 yr (Multilanguage)	✓	✓								
4815SHU*	4815SHU*	Red Hat Enterprise Linux Advanced Platform Premium Red Hat Support 3 yr (Multilanguage)	✓	✓								
4815U0U*	4815U0U*	RHEL for HPC 2 Skts Head Node Prem Subs Only 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815U1U*	4815U1U*	RHEL for HPC 2 Skts Head Node Std Subs Only 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815U2U*	4815U2U*	RHEL for HPC 2 Skts Head Node Prem Subs Only 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815U3U*	4815U3U*	RHEL for HPC 2 Skts Head Node Std Subs Only 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815V0U*	4815V0U*	RHEL Scalable File System 2 sockets Subs Only 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815V3U*	4815V3U*	RHEL Scalable File System 2 sockets Subs Only 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815V6U*	4815V6U*	Red Hat Network Satellite Server Prem Subs Only 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815V7U*	4815V7U*	Red Hat Network Satellite Server Prem Subs Only 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815V8U*	4815V8U*	Red Hat Network Satellite Server Prem RH Support 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815V9U*	4815V9U*	Red Hat Network Satellite Server Prem RH Support 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815VAU*	4815VAU*	RHEL for HPC 2 Skts Compute Nodes Subscription 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815VBU*	4815VBU*	RHEL for HPC 2 Skts Compute Nodes Subscription 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815VEU*	4815VEU*	RHEL for HPC 2 Skts Head Node Prem RH Support 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815VFU*	4815VFU*	RHEL for HPC 2 Skts Head Node Std RH Support 1Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815VGU*	4815VGU*	RHEL for HPC 2 Skts Head Node Prem RH Support 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	
4815VHU*	4815VHU*	RHEL for HPC 2 Skts Head Node Std RH Support 3Yr	✓	✓		✓	✓	✓	✓	✓	✓	

[illegible]

00FE806*	00FE806*	Red Hat Network Satellite Server Prem Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE807*	00FE807*	Red Hat Network Satellite Server Prem RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE808*	00FE808*	RHEL High-Availability 2 Sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE811*	00FE811*	RHEL High-Availability 2 Sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE814*	00FE814*	RHEL Resilient Storage 2 Sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE817*	00FE817*	RHEL Resilient Storage 2 Sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE820*	00FE820*	RHEL Scalable File System 2 sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE823*	00FE823*	RHEL Scalable File System 2 sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE826*	00FE826*	RHEL Load Balancer 2 Sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE829*	00FE829*	RHEL Load Balancer 2 Sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE832*	00FE832*	RHEL High Perf Network 2 Sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE835*	00FE835*	RHEL High Perf Network 2 Sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE838*	00FE838*	RHEL Smart Management 1 Guest Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE839*	00FE839*	RHEL Smart Management 4 Guests Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE840*	00FE840*	RHEL Smart Management Unlimited Guests Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE841*	00FE841*	RHEL Smart Management 1 Guest RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE842*	00FE842*	RHEL Smart Management 4 Guests RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE843*	00FE843*	RHEL Smart Management Unlimited Guests RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE844*	00FE844*	RHEL Extended Update Support 2 Sockets Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FE847*	00FE847*	RHEL Extended Update Support 2 Sockets RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF149*	00FF149*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF150*	00FF150*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF151*	00FF151*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF152*	00FF152*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF153*	00FF153*	Red Hat Enterprise Virtualization 2 Skts Prem Sub Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF154*	00FF154*	Red Hat Enterprise Virtualization 2 Skts Std Sub Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF155*	00FF155*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF156*	00FF156*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF157*	00FF157*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF158*	00FF158*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF159*	00FF159*	Red Hat Enterprise Virtualization 2 Skts Prem RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF160*	00FF160*	Red Hat Enterprise Virtualization 2 Skts Std RH Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF185*	00FF185*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF186*	00FF186*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00FF187*	00FF187*	RHEL for HPC 2 Skts Compute Nodes with EUS RH Self Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY357*	00JY357*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY358*	00JY358*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY359*	00JY359*	RHEL for HPC 2 Skts Compute Nodes with EUS Subs Only 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY363*	00JY363*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY364*	00JY364*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY365*	00JY365*	RHEL SAP HANA 2 Skts 24x7 Red Hat Support Production 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY366*	00JY366*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY367*	00JY367*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY368*	00JY368*	RHEL SAP HANA 2 Skts Std Red Hat Support NonProduction 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY369*	00JY369*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY370*	00JY370*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY371*	00JY371*	RHEL SAP HANA Smart Mgmt 2 Skts 24x7 Red Hat Support Production 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY372*	00JY372*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY373*	00JY373*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY374*	00JY374*	RHEL SAP HANA Smart Mgmt 2 Skts Std Red Hat Support NonProduction 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00JY399*	00JY399*	RHEL SAP HANA 6.X Media	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:

1. OS offerings must be purchased with new hardware.
2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
3. All Linux offerings are installed by the customer.
4. Linux offerings may also be purchased as a renewal to a subscription that was previously purchased from Lenovo.
5. Red Hat offerings that do not include Red Hat Support must be ordered with Lenovo support, either Lenovo Remote Technical Support or IBM Support Line.

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* Lenovo has withdrawn this product from marketing.

System x and BladeCenter operating systems offerings

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

• System x			• BladeCenter			• Flex Systems																			
													Red Hat	Suse	Microsoft										
Operating Systems offerings																									
US Option number	Canadian Option number	Network Operating System (NOS) offerings																							
																Flex x240 (8737)	Flex x240 M5 (9532)	Flex x440 (7167)	Flex x280 X6 (7196)	Flex x480 X6 (7196)	Flex x880 X6 (7196)	Flex x280 X6 (7903)	Flex x480 X6 (7903)	Flex x880 X6 (7903)	
SUSE																									
48153QU	48153QU	SUSE LINUX Enterprise Server 1-32 Sockets with 1 yr Subscription														✓									
48153RU	48153RU	SUSE LINUX Enterprise Server 1-32 Sockets with 3 yr Subscription														✓									
48154HU	46C0303	SUSE Linux Enterprise Server HPCC 8 pack up to 8 Socket 1 yr Subscription														✓									
48155HU	46C0304	SUSE Linux Enterprise Server HPCC 8 pack up to 8 Socket 3 yr Subscription														✓									
4815A1U	49Y9068	SUSE Linux Ent Server SAP Business All-in-One Subscription 1yr														✓									
4815A2U	49Y9069	SUSE Linux Ent Server SAP Business All-in-One Subscription 3yr														✓									
4815A3U	49Y9070	SUSE Linux Ent Srvr SAP Business All-in-One Priority Novell Supp 1Yr														✓									
4815A4U	49Y9071	SUSE Linux Ent Srvr SAP Business All-in-One Priority Novell Supp 3Yr														✓									
4815R3U	49Y9080	SUSE Linux Enterprise Add on HA Extension 1 yr														✓									
4815R4U	49Y9081	SUSE Linux Enterprise Add on HA Extension 3 yr														✓									
4815S1U	49Y9072	SUSE Linux Enterprise Add on Standard Novell Support 1 Yr														✓									
4815S2U	49Y9073	SUSE Linux Enterprise Add on Standard Novell Support 3 Yr														✓									
4815S3U	49Y9074	SUSE Linux Enterprise Add on Priority Novell Support 1 Yr														✓									
4815S4U	49Y9075	SUSE Linux Enterprise Add-on Priority Novell Support 3 Yr														✓									
4815A5U	80Y9438	SUSE Linux Ent Server for SAP Applications Subscription 1 Yr														✓									
4815A6U	80Y9439	SUSE Linux Ent Server for SAP Applications Subscription 3 Yr														✓									
4815A7U	80Y9440	SUSE Linux Ent Server for SAP Applications Priority Novell Supp 1 Yr														✓									
4815A8U	80Y9441	SUSE Linux Ent Server for SAP Applications Priority Novell Supp 3 Yr														✓									
00D8133	00D8133	SLES HPCC up to 8 Socket Subscription 5Yr														✓									
00KH269	00KH269	SLES 11 x86 Media														✓	✓			✓	✓	✓	✓	✓	✓
00KH271	00KH271	SLES for SAP Applications 11 x86 Media														✓	✓	✓			✓	✓	✓	✓	✓
00YC000	00YC000	SLES X86 2 Socket Pri Subs Only 1Yr														✓	✓			✓	✓	✓	✓	✓	✓
00YC002	00YC002	SLES X86 2 Socket Pri Subs Only 5Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC004	00YC004	SLES X86 2 Socket Virt Unlimited Pri Subs Only 3Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC006	00YC006	SLES X86 2 Socket Pri SUSE Support 1Yr														✓	✓			✓	✓	✓	✓	✓	✓
00YC008	00YC008	SLES X86 2 Socket Pri SUSE Support 5Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC010	00YC010	SLES X86 2 Socket Virt Unlimited Pri SUSE Support 3Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC012	00YC012	SLES X86 2 Socket Std Subs Only 1Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC014	00YC014	SLES X86 2 Socket Std Subs Only 5Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC016	00YC016	SLES X86 2 Socket Virt Unlimited Std Subs Only 3Yr														✓	✓	✓	✓		✓	✓	✓	✓	✓
00YC018	00YC018	SLES X86 2 Socket Std SUSE Support 1Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC020	00YC020	SLES X86 2 Socket Std SUSE Support 5Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC022	00YC022	SLES X86 2 Socket Virt Unlimited Std SUSE Support 3Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC024	00YC024	SLES for SAP Applications 2 Socket Pri Subs Only 1Yr														✓	✓	✓			✓	✓	✓	✓	✓
00YC026	00YC026	SLES for SAP Applications 2 Socket Pri Subs Only 5Yr														✓	✓			✓	✓	✓	✓	✓	✓

00YC028	00YC028	SLES for SAP Applications 2 Socket Virt Unlimited Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC030	00YC030	SLES for SAP Applications 2 Socket Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC032	00YC032	SLES for SAP Applications 2 Socket Pri SUSE Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC034	00YC034	SLES for SAP Applications 2 Socket Virt Unlimited Pri SUSE Supp 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC036	00YC036	SUSE Linux Enterprise HPC Basic SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC038	00YC038	SUSE Linux Enterprise HPC Basic SUSE Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC040	00YC040	SUSE Linux Enterprise HPC Standard SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC042	00YC042	SUSE Linux Enterprise HPC Priority SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC044	00YC044	SUSE Linux Enterprise HPC Priority SUSE Support 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC046	00YC046	SLES HA Extension 2 Socket 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC048	00YC048	SLES Geo Clustering Extension 2 Socket 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC050	00YC050	SLES Geo Clustering Extension 2 Socket 5Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC052	00YC052	SUSE Manager Server Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC054	00YC054	SUSE Manager Server 50 Managed Instances Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC056	00YC056	SUSE Manager Proxy Server Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC058	00YC058	SUSE Manager Lifecycle Management 2 skt/2 VM Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC060	00YC060	SUSE Manager Lifecycle Mgmt Unlimited VMs Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC062	00YC062	SUSE Manager Monitoring 2 socket/2 VM Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC064	00YC064	SUSE Manager Monitoring Unlimited VMs Pri Subs Only 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC066	00YC066	SUSE Manager Server Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC068	00YC068	SUSE Manager Server 50 Managed Instances Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC070	00YC070	SUSE Manager Proxy Server Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC072	00YC072	SUSE Manager Lifecycle Management 2 skt/2 VM Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC074	00YC074	SUSE Manager Lifecycle Mgmt Unlimited VMs Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC076	00YC076	SUSE Manager Monitoring 2 socket/2 VM Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC078	00YC078	SUSE Manager Monitoring Unlimited VMs Pri SUSE Support 3Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC080	00YC080	SUSE Cloud Control Node Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC082	00YC082	SUSE Cloud Control Node plus Admin Server Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC084	00YC084	SUSE Cloud Compute Node 2 Socket Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC088	00YC088	SUSE Cloud Control Node Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC090	00YC090	SUSE Cloud Control Node plus Admin Server Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC092	00YC092	SUSE Cloud Compute Node 2 Socket Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC094	00YC094	SUSE OpenStack Cloud Compute Node Microsoft Hyper-V Pri SubsOnly 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC096	00YC096	SUSE OpenStack Cloud Swift Storage Node Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC098	00YC098	SUSE OpenStack Cloud Compute Node Microsoft Hyper-V Pri SUSE Sup 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC100	00YC100	SUSE OpenStack Cloud Swift Storage Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC102	00YC102	SUSE Enterprise Storage Base Configuration Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC104	00YC104	SUSE Enterprise Storage Expansion Node Pri Subs Only 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC106	00YC106	SUSE Enterprise Storage Base Configuration Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓
00YC108	00YC108	SUSE Enterprise Storage Expansion Node Pri SUSE Support 1Yr	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:

1. OS offerings must be purchased with new hardware.
2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
3. All Linux offerings are installed by the customer.
4. Linux offerings may also be purchased as a renewal to a subscription that was previously purchased from Lenovo.

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* Lenovo has withdrawn this product from marketing.

System x and BladeCenter operating systems offerings

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

All OS offerings must be purchased with new hardware. If the hardware is bought directly from Lenovo, Microsoft offerings must be purchased integrated within new hardware. The Web-based Hardware Configurator, used in US and Canada should be used to specify the four-digit Microsoft feature code that must be chosen to integrate into a new server configuration. All OS offerings may also be available from Lenovo Business Partners. Subscription offerings from Red Hat and SUSE may be purchased without new Lenovo hardware when renewing an offering subscription that was initially purchased from Lenovo.

Lenovo Systems Group offers Operating Systems (OS) on System x and BladeCenter servers. Lenovo OS offerings are made available on a server after rigorous testing is completed to assure that they are reliable solutions. Purchasing the OS with new hardware is a convenient and cost-effective way to deploy new hardware. Some Microsoft OS offerings are available pre-installed on the server. All other offerings must be installed by the customer.

The following chart shows which OS offerings are available for each System x server or chassis.

For older server compatibility, click [here](#)

• System x			• BladeCenter			• Flex Systems								
						Red Hat	Suse	Microsoft						
Operating Systems offerings														
US Option number	Canadian Option number	Network Operating System (NOS) offerings				Flex x240 (8737)	Flex x240 M5 (9532)	Flex x440 (7167)	Flex x280 X6 (7196)	Flex x480 X6 (7196)	Flex x880 X6 (7196)	Flex x280 X6 (7903)	Flex x480 X6 (7903)	Flex x880 X6 (7903)
Microsoft														
4849C7E*	4849C7E*	IBM Reseller Option Kit for Microsoft Windows Compute Cluster Server 2003 - English				✓	✓							
4849DEE*	4849DEE*	MS Windows Server 2008 Enterprise Ed (1-8 CPU, 25 CAL) ROK - English				✓	✓							
4849DSE*	4849DSE*	MS Windows Server 2008 Standard Ed (1-4 CPU, 5 CAL) ROK - English				✓	✓							
4849EGE*	4849EGE*	MS Windows Server 2008 Datacenter Ed (2 CPU, 5 CAL) ROK - English				✓	✓							
4849KCM*	4849KCM*	MS Windows Server 2008 CAL (5 user) - Multi-lingual				✓	✓							
4849KDM*	4849KDM*	MS Windows Server 2008 CAL (5 device) - Multi-lingual				✓	✓							
4849F2E*	4849F2E*	MS Windows SBS 2008 Standard (1-4 CPU, 5 CAL) ROK - English				✓	✓							
4849F4E*	4849F4E*	MS Windows SBS 2008 Premium (1-4 CPU, 5 CAL) ROK - English				✓	✓							
4849H7E*	4849H7E*	MS Windows HPC Server 2008 (1-4 CPU) ROK - English				✓	✓							
4849JEE*	4849JEE*	MS Windows Server 2008 Enterprise (1-8 CPU, 25 CAL) ROK w/ W2k3 downgrade - English				✓	✓							
4849JSE*	4849JSE*	MS Windows Server 2008 Standard (1-4 CPU, 5 CAL) ROK w/ W2k3 downgrade - English				✓	✓							
4849DTE*	4849DTE*	MS Windows Server 2008 Enterprise Ed (1-8 CPU, 10 CAL) ROK - English				✓	✓							
4849KDA*	4849KDA*	MS Windows Small Business Server 2008 CAL Suite for 1 Device				✓	✓							
4849KDB*	4849KDB*	MS Windows Small Business Server 2008 CAL Suite for 1 Premium Device				✓	✓							
4849KCA*	4849KCA*	MS Windows Small Business Server 2008 CAL Suite for 1 User				✓	✓							
4849KCB*	4849KCB*	MS Windows Small Business Server 2008 CAL Suite for 1 Premium User				✓	✓							
4849MVN	4849MVN	MS Sys Ctr Virtual Machine Mgr 2008 R2 Workgroup Ed ROK - Multilang				✓								
4849KDF	4849KDF	Windows® Small Business Server 2011 CAL Suite (1 Device)				✓	✓							
4849KDG	4849KDG	Windows® Small Business Server 2011 Prem Add-On CAL Suite (1 Device)				✓	✓							
4849MJE	4849MJE	Windows® SBS Standard 2011 (1-4 CPU, 5 CAL) ROK - English				✓								
4849MKE	4849MKE	Windows® SBS 2011 Premium Add-on (1-4 CPU, 5 CAL) ROK - English				✓								
4849KCF	4849KCF	Windows® Small Business Server 2011 CAL Suite (1 User)				✓	✓							
4849KCG	4849KCG	Windows® Small Business Server 2011 Prem Add-On CAL Suite (1 User)				✓	✓							
4849MNN*	4849MNN*	Windows® SBS Essentials 2011 (1-2 CPU) ROK - Multilang				✓	✓							
00Y6264*	00Y6264*	Windows Server Standard 2012 (2CPU) - English ROK				✓	✓							
00Y6283*	00Y6283*	Windows Server Datacenter 2012 (2CPU) - English ROK				✓	✓	✓					✓	✓
00Y6302*	00Y6302*	Win Stg Srv 2012 Standard (2CPU) - English ROK				✓	✓	✓					✓	✓
00Y6325	00Y6325	Windows Srv Datacenter 2012 2CPU Additional License ROK -Multilang				✓	✓							
00Y6329	00Y6329	Win Stg Srv 2012 Std 2CPU Additional License ROK -Multilang				✓	✓							
00Y6333	00Y6333	Windows Server CAL 2012 (1 User) - Multilanguage				✓	✓							
00Y6334	00Y6334	Windows Server CAL 2012 (5 User) - Multilanguage				✓	✓							
00Y6335	00Y6335	Windows Server CAL 2012 (10 User) - Multilanguage				✓	✓							
00Y6336	00Y6336	Windows Server CAL 2012 (50 User) - Multilanguage				✓	✓							
00Y6337	00Y6337	Windows Server CAL 2012 (1 Device) - Multilanguage				✓	✓							
00Y6338	00Y6338	Windows Server CAL 2012 (5 Device) - Multilanguage				✓	✓							

00Y6339	00Y6339	Windows Server CAL 2012 (10 Device) - Multilanguage	✓	✓	✓	✓	✓	✓	✓	✓
00Y6340	00Y6340	Windows Server CAL 2012 (50 Device) - Multilanguage	✓	✓	✓	✓	✓	✓	✓	✓
00Y6341	00Y6341	Windows Remote Desktop Services CAL 2012 (1 User) - Multilanguage	✓	✓	✓	✓	✓	✓	✓	✓
00Y6342	00Y6342	Windows Remote Desktop Services CAL 2012 (5 User) - Multilanguage	✓	✓	✓	✓	✓	✓	✓	✓
00Y6343	00Y6343	Windows Remote Desktop Services CAL 2012 (1 Device) - Multilanguage	✓	✓	✓	✓	✓	✓	✓	✓
00Y6344	00Y6344	Windows Remote Desktop Services CAL 2012 (5 Device) - Multilanguage	✓	✓	✓	✓	✓	✓	✓	✓
47C9317*	47C9317*	Windows 2012 Essentials (1-2CPU) - English ROK	✓	✓						
00Y6462	00Y6462	Win Svr Datacenter 2012 to 2008 R2 Downgrade Kit - Multilanguage ROK	✓							
00Y6468	00Y6468	Win Svr Standard 2012 to 2008 R2 Downgrade Kit - Multilanguage ROK	✓							
00FF245	00FF245	Windows Server 2012 R2 Standard ROK (2CPU/2VMs) - MultiLang	✓	✓	✓	✓	✓	✓	✓	✓
00FF259	00FF259	Windows Server 2012 R2 Datacenter ROK (2CPU) - MultiLang	✓	✓	✓	✓	✓	✓	✓	✓
00FF273	00FF273	Windows Storage Server 2012 R2 Standard ROK (2CPU/2VMs) - MultiLang	✓	✓	✓	✓	✓	✓	✓	✓
00FF287	00FF287	Windows Server 2012 R2 Essentials ROK (1-2CPU) - MultiLang	✓	✓	✓			✓		

- Notes:
- 1. OS offerings must be purchased with new hardware.
 - 2. Unless otherwise noted operating systems may also be configured on system model types XXXX-AC1 (for Linux) or XXXX-MC1 or as part of a system configuration purchased from Lenovo Business Partners.
 - 3. IBM ROK is available from your local Lenovo Business Partner. For additional IBM ROK pricing and terms, please contact your System x Distributor for full details.

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* Lenovo has withdrawn this product from marketing.

Lenovo and third party software applications

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A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Check with your Lenovo representative to verify application software availability for your system. Lenovo makes no representations or warranties regarding third-party products or services. Some software may differ from its retail version (if available) and may not include user manuals or all program functionality. Software License agreements may apply.

Table 1. IBM Director

US Option number	Canadian Option number	Description

Director is provided with all System x servers. Director Agent is provided with all System x, IntelliStations and NetVista systems. Features Include:

- Basic hardware management including inventory, monitoring, alerting, group management, RAID manager and management processor.
- Help Desk and Support including remote control, remote session, file transfer and real-time diagnostics.
- Upward integration to Tivoli, CA, HP, MS, SMS, MOM, BMC or NetIQ.68Y9505

IBM Systems Director		
46C0374*	46C0374*	IBM Systems Director for x86 V6.2 (DVD) - Retail Package
46D0955	46D0955	IBM Systems Director for x86 V6.3 (DVD) - Retail Package
42D8233	42D8233	IBM Director 5.20 Media Package - US
43W6520	43W6520	IBM Director 5.20 per Agent License with 1 Year Subscription - US
43W6521	43W6521	IBM Director 5.20 per Server License with 1 Year Subscription - US
95Y1111	95Y1111	IBM Systems Director Standard Ed for x86 V6-Srvr Lic w/1 Yr S&S
95Y1113*	95Y1113*	IBM Systems Director Standard Ed for x86 V6-Srvr Lic and VMK Entry w/1 Yr S&S
95Y1114*	95Y1114*	IBM Systems Director Standard Ed for x86 V6-Srvr Lic and VMK w/1 Yr S&S
95Y1115*	95Y1115*	IBM Systems Director Standard Ed for x86 V6-Srvr Lic w/3 Yr S&S
95Y1117*	95Y1117*	IBM Systems Director Standard Ed for x86 V6-Srvr Lic and VMK Entry w/3 Yr S&S
95Y1118*	95Y1118*	IBM Systems Director Standard Ed for x86 V6-Srvr Lic and VMK w/3 Yr S&S
69Y3493*	69Y3493*	IBM Upward Integration for MSSC without VMK with 1 Yr S&S
69Y3494*	69Y3494*	IBM Upward Integration for MSSC with VMK with 1 Yr S&S
69Y3495*	69Y3495*	IBM Upward Integration for MSSC with VMK Entry with 1 Yr S&S
Capacity Manager v5.20		
44R9103	44R9103	IBM Director Capacity Manager per Server, Single License Subscription Renewal - 1 Year
43W6522	43W6522	IBM Director Capacity Manager 5.20 per Server, Single License with 1 Year Subscription - US
42D8812	42D8812	IBM Director Capacity Manager 5.20 Media Package - US
39Y5182	39Y5182	IBM Director Capacity Manager per Server, Single License Subscription Renewal - 2 Year
39Y5183	39Y5183	IBM Director Capacity Manager per Server, Single License Subscription Renewal After License - 1 Year
Software Distribution Premium Edition v5.20		
42D8817	42D8817	IBM Director Software Distribution Premium Edition 5.20 Media Package - US
43W6523	43W6523	IBM Director Soft Dist Premium Edition 5.20 per Server, Single License with 1 Year Subscription - US
25K8639	25K8639	IBM Director Soft Dist P E per Server, Subscription Renewal After License - 1 Year
25K8641	25K8641	IBM Director Soft Dist P E per Server, Single License Subscription Renewal - 2 Year
44R9104	44R9104	IBM Director Soft Dist P E per Server, Subscription Renewal - 1 Year
Active Energy Manager v3.1		
44W3911*	46C0229*	IBM Systems Director Active Energy Manager for x86 V3.1 (CD Media Pack)
44W3913*	44R9094*	IBM Systems Director Active Energy Manager for x86 V3.1 per Server (1 Year Subscription Renewal)
44W3914*	46C0220*	IBM Systems Director Active Energy Manager for x86 V3.1 per Server (1 Year Subscription After License)
46C0219*	44R9102*	IBM Systems Director Active Energy Manager for x86 V3.1 per Server (License + 1 year subscription)
Virtual Availability Management v1.1		
44R9093*	44R9094*	IBM Systems Director Virtual Availability Management for x86, V1.1 per processor (License + 1 year subscription)
44E7891*	44R9102*	IBM Systems Director Virtual Availability Management, V1.1 (CD Media Pack)
44E7893*	44E7893*	IBM Systems Director Virtual Availability Management for x86, V1.1 per processor (1 Year Subscription Renewal)
44E7894*	44E7894*	IBM Systems Director Virtual Availability Management for x86, V1.1 per processor (2 Year Subscription Renewal)
44E7895*	44R9101*	IBM Systems Director Virtual Availability Management for x86, V1.1 per processor (1 Year Subscription After License)
44E7896*	44E7896*	IBM Systems Director Virtual Availability Management for x86, V1.1 per processor (2 Year Subscription After License)
Virtual Image Management v1.1		
44R9091*	44R9092*	IBM Systems Director Virtual Image Management for x86, V1.1 per processor (License + 1 year subscription)
44E7885*	44R9101*	IBM Systems Director Virtual Image Management, V1.1 (CD Media Pack)
44E7887*	44E7887*	IBM Systems Director Virtual Image Management for x86, V1.1 per processor (1 Year Subscription Renewal)
44E7888*	44E7888*	IBM Systems Director Virtual Image Management for x86, V1.1 per processor (2 Year Subscription Renewal)
44E7889*	44R9101*	IBM Systems Director Virtual Image Management for x86, V1.1 per processor (1 Year Subscription After License)
44E7890*	44E7890*	IBM Systems Director Virtual Image Management for x86, V1.1 per processor (2 Year Subscription After License)
Usage and Accounting Manager v7.1		
44E8017*	46C0001*	IBM Usage and Accounting Manager Virtualization (UAV) Edition V7.1 for System x Media Package
44W3982*	44W3982*	IBM Usage and Accounting Manager Virtualization (UAV) Edition V7.1 for System x per Server (1 Year Subscription Renewal)
44W3983*	44W3983*	IBM Usage and Accounting Manager Virtualization (UAV) Edition V7.1 for System x per Server (1 Year Subscription After License)
46C0000*	46C0002*	IBM Usage and Accounting Manager Virtualization (UAV) Edition V7.1 for System x per Server (License + 1 year subscription)
Network Control v1.1		
81Y2026*	81Y2026*	IBM Sys Dir Network Control x86 v1.3-Per Switch Large w/3 Yr SW S&S
60Y0127*	60Y0127*	IBM Sys Dir Network Control x86 v1.3-Per Switch Medium w/3 Yr SW S&S
60Y0131*	60Y0131*	IBM Sys Dir Network Control x86 v1.3-Per Server w/1 Yr SW S&S
60Y0132*	60Y0132*	IBM Sys Dir Network Control x86 v1.3-Per Switch Small w/1 Yr SW S&S

60Y0133*	60Y0133*	IBM Sys Dir Network Control x86 v1.3-Per Switch Medium w/1 Yr SW S&S
60Y0134*	60Y0134*	IBM Sys Dir Network Control x86 v1.3-Per Switch Large w/1 Yr SW S&S
60Y0135*	60Y0135*	IBM Sys Dir Network Control x86 v1.3-Per Server w/3 Yr SW S&S
60Y0136*	60Y0136*	IBM Sys Dir Network Control x86 v1.3-Per Switch Small w/3 Yr SW S&S
Blade Harmony Manager v5.2		
94Y9140	94Y9140	IBM BLADEHarmony Manager v5.2, 20 Network Switches, w/3 Yr Sub
94Y9141	94Y9141	IBM BLADEHarmony Manager v5.2, 50 Network Switches, w/3 Yr Sub
94Y9142	94Y9142	IBM BLADEHarmony Manager v5.2, 100 Network Switches, w/3 Yr Sub
94Y9143	94Y9143	IBM BLADEHarmony Manager v5.2, 250 Network Switches, w/3 Yr Sub
94Y9144	94Y9144	IBM BLADEHarmony Manager v5.2, 500 Network Switches, w/3 Yr Sub
94Y9145	94Y9145	IBM BLADEHarmony Manager v5.2, 1000 Network Switches, w/3 Yr Sub
IBM Flex System Manager		
90Y4217	90Y4217	IBM Flex System Manager w/1 Yr S&S
90Y4222*	90Y4222*	IBM Flex System Manager w/3 Yr S&S
IBM Upward Integration Managers		
00Y4504*	00Y4504*	IBM Upward Integration for MSSC w/IMMv2 Adv, Per Mngd Srv w/1 Yr S&S
00AE208*	00AE208*	IBM Upward Integration for VMware, Per Managed Server w/1 Yr S&S
00AE209*	00AE209*	IBM Upward Integration for VMware w/IMMv2Adv, Per Mngd Srv w/1Yr S&S
00AE210*	00AE210*	IBM Upward Integration for VMware, Per Managed Server w/3 Yr S&S
00AE211*	00AE211*	IBM Upward Integration for VMware w/IMMv2Adv, Per Mngd Srv w/3Yr S&S

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Table 2. Remote Deployment Manager

US Option number	Canadian Option number	Description

Features Include:

- Remote replication of system installations
- Remote unattended system deployment
- Updating system and option firmware
- Rapid image backup and restore technology

Remote Deployment Manager v4.4		
24R9416*	24R9416*	Remote Deployment Manager per Server - Subscription Renewal After License - 1 Year
24R9418*	24R9418*	Remote Deployment Manager per Server - Subscription Renewal - 2 Year
24R9419*	24R9419*	Remote Deployment Manager per Workstation - Subscription Renewal After License - 1 Year
24R9421*	24R9421*	Remote Deployment Manager per Workstation - Subscription Renewal - 2 Year
43W6651*	43W6651*	IBM Remote Deployment Manager 4.4 (Single Managed Server License with 1 year subscription)
43W6653*	43W6653*	IBM Remote Deployment Manager 4.4 (Single Managed Workstation License with 1 year subscription)
43W6655*	43W6655*	IBM Remote Deployment Manager 4.4 (BladeCenter Chassis License With One Year Subscription)
43W6657*	43W6657*	IBM Remote Deployment Manager 4.4 (Managed Workstation License 10 Pack with 1 year subscription)
44R9030*	44R9030*	Remote Deployment Manager 4.4 per Server - Subscription Renewal - 1 Year
44R9031*	44R9031*	Remote Deployment Manager 4.4 - per Workstation - Subscription Renewal - 1 Year
4836MDD*	4836MDD*	IBM Remote Deployment Manager 4.4 - Media Package

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Table 3. Other IBM Software

US Option number	Canadian Option number	Description

Open Fabric Manager		
4812S1D*	46C0232*	BladeCenter Open Fabric Manager - Advanced Upgrade for IBM Director
4812S1X*	46C0231*	BladeCenter Open Fabric Manager - Advanced Upgrade
4812S3D	49Y9181	BladeCenter Open Fabric Manager 3.x - Advanced Upgrade for IBM Director
4812S3X	46C0435	BladeCenter Open Fabric Manager - Advanced Upgrade
49Y9181*	49Y9181*	BladeCenter Open Fabric Manager 3.x - Advanced Upgrade for IBM Director
46C0435*	46C0435*	BladeCenter Open Fabric Manager - Advanced Upgrade
IBM Fabric Manager		
00D7550*	00D7550*	IBM Fabric Mgr for Flex Chassis w/1 Yr S&S
00D7551*	00D7551*	IBM Fabric Mgr for Flex Chassis w/3 Yr S&S
00Y6192	00Y6192	IBM Fabric Mgr for BladeCenter w/1 Yr S&S
00Y6193*	00Y6193*	IBM Fabric Mgr for BladeCenter w/3 Yr S&S
00Y6194	00Y6194	IBM Fabric Mgr for BCS w/1 Yr S&S
00Y6195*	00Y6195*	IBM Fabric Mgr for BCS w/3 Yr S&S
00Y6196	00Y6196	IBM Fabric Mgr Upgrade from BOFM for BladeCenter w/1 Yr S&S
00Y6197	00Y6197	IBM Fabric Mgr Upgrade from BOFM for BCS w/1 Yr S&S
00Y6212*	00Y6212*	IBM Fabric Mgr Enterprise Key
00Y6214*	00Y6214*	IBM Fabric Mgr for Flex Chassis w/1 Yr SW S&S (no auth code)
00Y6215*	00Y6215*	IBM Fabric Mgr for BladeCenter w/1 Yr SW S&S (no auth code)
00Y6216*	00Y6216*	IBM Fabric Mgr for BCS w/1 Yr SW S&S (no auth code)
00Y6217*	00Y6217*	IBM Fab Mgr Upgr from BOFM for BladeCtrn w/1Yr SW S&S (no auth code)
00Y6218*	00Y6218*	IBM Fab Mgr Upgr from BOFM for BCS w/1Yr SW S&S (no auth code)
Sametime Entry		
46C0275*	46C0275*	Sametime Entry V8.0, Per Client
Virt Desktop for Smart Business		
68Y9339	68Y9339	IBM Virt Dsktp for Smart Business V2.1, Fixed Term Lic w/1Yr SW S&S
80Y9468	80Y9468	IBM Virt Dsktp for Smart Business V2.1 w/1Yr SW S&S
IBM Starter Kid for Cloud V2		
00D4658	00D4658	IBM SmartCloud Bundle for System x V2.x, Per Managed Srvr w/1 Yr S&S
00D4659	00D4659	IBM SmartCloud Bundle for System x V2.x, Per Managed Srvr w/3 Yr S&S
IBM SmartCloud Entry		

00D4837	00D4837	IBM SmartCloud Entry for Flex System, v2.x w/1 Year SW S&S
00D4838	00D4838	IBM SmartCloud Entry for Flex System, v2.x w/3 Year SW S&S
00D4841	00D4841	IBM SmartCloud Entry for IBM x86, v2.x w/1 Year SW S&S
00D4842	00D4842	IBM SmartCloud Entry for IBM x86, v2.x w/3 Year SW S&S
00AE316*	00AE316*	SmartCloud Entry for System x bundle V3.x, Per Mngd Svr w/1 Yr S&S
00AE317*	00AE317*	SmartCloud Entry for System x bundle V3.x, Per Mngd Svr w/3 Yr S&S
00Y4536*	00Y4536*	SmartCloud Entry for Flex System v3.x, Per Mngd Chassis w/1Yr SW S&S
00Y4537*	00Y4537*	SmartCloud Entry for Flex System v3.x, Per Mngd Chassis w/3Yr SW S&S
00Y4540*	00Y4540*	SmartCloud Entry for System x v3.x, Per Mngd Svr w/1 Year SW S&S
00Y4541*	00Y4541*	SmartCloud Entry for System x v3.x, Per Mngd Svr w/3 Year SW S&S
IBM SmartCloud Provisioning		
00D4845	00D4845	IBM SmartCloud Provisioning V1.x,per RVU Fixed Term Lic w/1Yr SW S&S
00D4846	00D4846	IBM SmartCloud Provisioning V1.x, per RVU with 1 Year SW S&S
00D4847	00D4847	IBM SmartCloud Provisioning V1.x, per RVU with 3 Year SW S&S
System Networking Element Manager		
00D4662	00D4662	IBM SNEM V6.x for 20 Switches, Per Install w/1 Yr S&S
00D4663	00D4663	IBM SNEM V6.x for 50 Switches, Per Install w/1 Yr S&S
00D4664	00D4664	IBM SNEM V6.x for 100 Switches, Per Install w/1 Yr S&S
00D4665	00D4665	IBM SNEM V6.x for 250 Switches, Per Install w/1 Yr S&S
00D4666	00D4666	IBM SNEM V6.x for 500 Switches, Per Install w/1 Yr S&S
00D4667	00D4667	IBM SNEM V6.x for 1000 Switches, Per Install w/1 Yr S&S
00D4668	00D4668	IBM SNEM V6.x for 20 Switches, Per Install w/3 Yr S&S
00D4669	00D4669	IBM SNEM V6.x for 50 Switches, Per Install w/3 Yr S&S
00D4670	00D4670	IBM SNEM V6.x for 100 Switches, Per Install w/3 Yr S&S
00D4671	00D4671	IBM SNEM V6.x for 250 Switches, Per Install w/3 Yr S&S
00D4672	00D4672	IBM SNEM V6.x for 500 Switches, Per Install w/3 Yr S&S
00D4673	00D4673	IBM SNEM V6.x for 1000 Switches, Per Install w/3 Yr S&S
System Networking Dist Switch		
00D4686	00D4686	IBM SN Distributed Virtual Switch 5000V V1.x, 1 Yr S&S
00D4687	00D4687	IBM SN Distributed Virtual Switch 5000V V1.x, 3 Yr S&S
00D4688	00D4688	IBM SN Distributed Virtual Switch 5000V V1.x, 5 Yr S&S
IBM LoadLeveler for x86		
00D4813	00D4813	IBM LoadLeveler for x86, Small (1-2 Sckt), Per Install w/1 Yr SW S&S
00D4814	00D4814	IBM LoadLeveler for x86, Med (3-4 Sckt), Per Install w/1 Yr SW S&S
00D4815	00D4815	IBM LoadLeveler for x86, Large (5+ Sckt), Per Install w/1 Yr SW S&S
00D4816	00D4816	IBM LoadLeveler for x86, Small (1-2 Sckt), Per Install w/3 Yr SW S&S
00D4817	00D4817	IBM LoadLeveler for x86, Med (3-4 Sckt), Per Install w/3 Yr SW S&S
00D4818	00D4818	IBM LoadLeveler for x86, Large (5+ Sckt), Per Install w/3 Yr SW S&S
IBM System Networking Switch Center		
00AE226*	00AE226*	IBM SNSC v7.x for 20 Switches, Per Install w/1 Yr SW S&S
00AE227*	00AE227*	IBM SNSC v7.x for 50 Switches, Per Install w/1 Yr SW S&S
00AE228*	00AE228*	IBM SNSC v7.x for 100 Switches, Per Install w/1 Yr SW S&S
00AE229*	00AE229*	IBM SNSC v7.x for 250 Switches, Per Install w/1 Yr SW S&S
00AE230*	00AE230*	IBM SNSC v7.x for 500 Switches, Per Install w/1 Yr SW S&S
00AE231*	00AE231*	IBM SNSC v7.x for 1000 Switches, Per Install w/1 Yr SW S&S
00AE232*	00AE232*	IBM SNSC v7.x for 20 Switches, Per Install w/3 Yr SW S&S
00AE233*	00AE233*	IBM SNSC v7.x for 50 Switches, Per Install w/3 Yr SW S&S
00AE234*	00AE234*	IBM SNSC v7.x for 100 Switches, Per Install w/3 Yr SW S&S
00AE235*	00AE235*	IBM SNSC v7.x for 250 Switches, Per Install w/3 Yr SW S&S
00AE236*	00AE236*	IBM SNSC v7.x for 500 Switches, Per Install w/3 Yr SW S&S
00AE237*	00AE237*	IBM SNSC v7.x for 1000 Switches, Per Install w/3 Yr SW S&S
IBM FlashCache Storage Accel		
00Y9984*	00Y9984*	IBM FlashCache Storage Accel for Direct v2.x, Per Install w/1Yr S&S
00Y9985*	00Y9985*	IBM FlashCache Storage Accel for Direct v2.x, Per Install w/3Yr S&S
00Y9986*	00Y9986*	IBM FlashCache Storage Accel for Virtual v2.x, Per Install w/1Yr S&S
00Y9987*	00Y9987*	IBM FlashCache Storage Accel for Virtual v2.x, Per Install w/3Yr S&S
00Y9988*	00Y9988*	IBM FlashCache Storage Accel for Direct v2.x, Per 10 Inst w/1Yr S&S
00Y9989*	00Y9989*	IBM FlashCache Storage Accel for Direct v2.x, Per 10 Inst w/3Yr S&S
00Y9990*	00Y9990*	IBM FlashCache Storage Accel for Virtual v2.x, Per 10 Inst w/1Yr S&S
00Y9991*	00Y9991*	IBM FlashCache Storage Accel for Virtual v2.x, Per 10 Inst w/3Yr S&S
IBM Platform License Sched		
00KE750	00KE750	IBM Platform License Scheduler for x86 V9.x, Per 250RVU w/5Yr SW S&S
IBM Cloud Manager		
00MT271	00MT271	IBM Cloud Mgr w/OpenStack for x86-L v4.x, per Socket w/1Yr SW S&S
00MT272	00MT272	IBM Cloud Mgr w/OpenStack for x86-L v4.x, per Socket w/3Yr SW S&S
IBM Security Software		
00D9998	00D9998	IBM SKLM for System x w/SEDs - FoD per Install w/1Yr S&S
00D9999	00D9999	IBM SKLM for System x w/SEDs - FoD per Install w/3Yr S&S
IBM GPFS for x86		
00KE500	00KE500	IBM GPFS for x86 V3.x Server per 10 PVU with 1 Year SW S&S
00KE501	00KE501	IBM GPFS for x86 V3.x Server per 250, 10 PVU with 1 Yr SW S&S
00KE502	00KE502	IBM GPFS for x86 V3.x Client per 10 PVU with 1 Year SW S&S
00KE503	00KE503	IBM GPFS for x86 V3.x Client per 250, 10 PVU with 1 Yr SW S&S
00KE504	00KE504	IBM GPFS for x86 V3.x FPO per 10 PVU with 1 Year SW S&S
00KE505	00KE505	IBM GPFS for x86 V3.x FPO per 250, 10 PVU with 1 Year SW S&S
00KE506	00KE506	IBM GPFS for x86 V3.x Server per 10 PVU with 3 Year SW S&S
00KE507	00KE507	IBM GPFS for x86 V3.x Server per 250, 10 PVU with 3 Yr SW S&S
00KE508	00KE508	IBM GPFS for x86 V3.x Client per 10 PVU with 3 Year SW S&S
00KE509	00KE509	IBM GPFS for x86 V3.x Client per 250, 10 PVU with 3 Yr SW S&S
00KE510	00KE510	IBM GPFS for x86 V3.x FPO per 10 PVU with 3 Year SW S&S
00KE511	00KE511	IBM GPFS for x86 V3.x FPO per 250, 10 PVU with 3 Year SW S&S
00KE512	00KE512	IBM GPFS for x86 V3.x Server per 10 PVU with 5 Year SW S&S
00KE513	00KE513	IBM GPFS for x86 V3.x Server per 250, 10 PVU with 5 Yr SW S&S
00KE514	00KE514	IBM GPFS for x86 V3.x Client per 10 PVU with 5 Year SW S&S
00KE515	00KE515	IBM GPFS for x86 V3.x Client per 250, 10 PVU with 5 Yr SW S&S
00KE516	00KE516	IBM GPFS for x86 V3.x FPO per 10 PVU with 5 Year SW S&S
00KE517	00KE517	IBM GPFS for x86 V3.x FPO per 250, 10 PVU with 5 Year SW S&S
00KE536	00KE536	IBM GPFS x86 Express Ed V4.x Server per socket with 1 Year SW S&S
00KE537	00KE537	IBM GPFS x86 Express Ed V4.x Server per 250 socket w/ 1 Yr SW S&S
00KE538	00KE538	IBM GPFS x86 Express Ed V4.x Client per socket with 1 Year SW S&S
00KE539	00KE539	IBM GPFS x86 Express Ed V4.x Client per 250 socket w/ 1 Yr SW S&S
00KE540	00KE540	IBM GPFS x86 Express Ed V4.x FPO per socket with 1 Year SW S&S
00KE541	00KE541	IBM GPFS x86 Express Ed V4.x FPO per 250 socket with 1 Yr SW S&S
00KE542	00KE542	IBM GPFS x86 Standard Ed V4.x Server per socket with 1 Year SW S&S
00KE543	00KE543	IBM GPFS x86 Standard Ed V4.x Server per 250 socket w/ 1 Yr SW S&S
00KE544	00KE544	IBM GPFS x86 Standard Ed V4.x Client per socket with 1 Year SW S&S
00KE545	00KE545	IBM GPFS x86 Standard Ed V4.x Client per 250 socket w/ 1 Yr SW S&S

00KE546	00KE546	IBM GPFS x86 Standard Ed V4.x FPO per socket with 1 Year SW S&S
00KE547	00KE547	IBM GPFS x86 Standard Ed V4.x FPO per 250 socket with 1 Yr SW S&S
00KE548	00KE548	IBM GPFS x86 Advanced Ed V4.x Server per socket with 1 Year SW S&S
00KE549	00KE549	IBM GPFS x86 Advanced Ed V4.x Server per 250 socket w/ 1 Yr SW S&S
00KE550	00KE550	IBM GPFS x86 Advanced Ed V4.x Client per socket with 1 Year SW S&S
00KE551	00KE551	IBM GPFS x86 Advanced Ed V4.x Client per 250 socket w/ 1 Yr SW S&S
00KE552	00KE552	IBM GPFS x86 Advanced Ed V4.x FPO per socket with 1 Year SW S&S
00KE553	00KE553	IBM GPFS x86 Advanced Ed V4.x FPO per 250 socket with 1 Yr SW S&S
00KE554	00KE554	IBM GPFS x86 Express Ed V4.x Server per socket with 3 Year SW S&S
00KE555	00KE555	IBM GPFS x86 Express Ed V4.x Server per 250 socket w/ 3 Yr SW S&S
00KE556	00KE556	IBM GPFS x86 Express Ed V4.x Client per socket with 3 Year SW S&S
00KE557	00KE557	IBM GPFS x86 Express Ed V4.x Client per 250 socket w/ 3 Yr SW S&S
00KE558	00KE558	IBM GPFS x86 Express Ed V4.x FPO per socket with 3 Year SW S&S
00KE559	00KE559	IBM GPFS x86 Express Ed V4.x FPO per 250 socket with 3 Yr SW S&S
00KE560	00KE560	IBM GPFS x86 Standard Ed V4.x Server per socket with 3 Year SW S&S
00KE561	00KE561	IBM GPFS x86 Standard Ed V4.x Server per 250 socket w/ 3 Yr SW S&S
00KE562	00KE562	IBM GPFS x86 Standard Ed V4.x Client per socket with 3 Year SW S&S
00KE563	00KE563	IBM GPFS x86 Standard Ed V4.x Client per 250 socket w/ 3 Yr SW S&S
00KE564	00KE564	IBM GPFS x86 Standard Ed V4.x FPO per socket with 3 Year SW S&S
00KE565	00KE565	IBM GPFS x86 Standard Ed V4.x FPO per 250 socket with 3 Yr SW S&S
00KE566	00KE566	IBM GPFS x86 Advanced Ed V4.x Server per socket with 3 Year SW S&S
00KE567	00KE567	IBM GPFS x86 Advanced Ed V4.x Server per 250 socket w/ 3 Yr SW S&S
00KE568	00KE568	IBM GPFS x86 Advanced Ed V4.x Client per socket with 3 Year SW S&S
00KE569	00KE569	IBM GPFS x86 Advanced Ed V4.x Client per 250 socket w/ 3 Yr SW S&S
00KE570	00KE570	IBM GPFS x86 Advanced Ed V4.x FPO per socket with 3 Year SW S&S
00KE571	00KE571	IBM GPFS x86 Advanced Ed V4.x FPO per 250 socket with 3 Yr SW S&S
00KE572	00KE572	IBM GPFS x86 Express Ed V4.x Server per socket with 5 Year SW S&S
00KE573	00KE573	IBM GPFS x86 Express Ed V4.x Server per 250 socket w/ 5 Yr SW S&S
00KE574	00KE574	IBM GPFS x86 Express Ed V4.x Client per socket with 5 Year SW S&S
00KE575	00KE575	IBM GPFS x86 Express Ed V4.x Client per 250 socket w/ 5 Yr SW S&S
00KE576	00KE576	IBM GPFS x86 Express Ed V4.x FPO per socket with 5 Year SW S&S
00KE577	00KE577	IBM GPFS x86 Express Ed V4.x FPO per 250 socket with 5 Yr SW S&S
00KE578	00KE578	IBM GPFS x86 Standard Ed V4.x Server per socket with 5 Year SW S&S
00KE579	00KE579	IBM GPFS x86 Standard Ed V4.x Server per 250 socket w/ 5 Yr SW S&S
00KE580	00KE580	IBM GPFS x86 Standard Ed V4.x Client per socket with 5 Year SW S&S
00KE581	00KE581	IBM GPFS x86 Standard Ed V4.x Client per 250 socket w/ 5 Yr SW S&S
00KE582	00KE582	IBM GPFS x86 Standard Ed V4.x FPO per socket with 5 Year SW S&S
00KE583	00KE583	IBM GPFS x86 Standard Ed V4.x FPO per 250 socket with 5 Yr SW S&S
00KE584	00KE584	IBM GPFS x86 Advanced Ed V4.x Server per socket with 5 Year SW S&S
00KE585	00KE585	IBM GPFS x86 Advanced Ed V4.x Server per 250 socket w/ 5 Yr SW S&S
00KE586	00KE586	IBM GPFS x86 Advanced Ed V4.x Client per socket with 5 Year SW S&S
00KE587	00KE587	IBM GPFS x86 Advanced Ed V4.x Client per 250 socket w/ 5 Yr SW S&S
00KE588	00KE588	IBM GPFS x86 Advanced Ed V4.x FPO per socket with 5 Year SW S&S
00KE589	00KE589	IBM GPFS x86 Advanced Ed V4.x FPO per 250 socket with 5 Yr SW S&S
00KH111	00KH111	IBM GPFS for x86 V3.x Server per 10 PVU with 4 Year SW S&S
00KH112	00KH112	IBM GPFS for x86 V3.x Server per 250, 10 PVU with 4 Yr SW S&S
00KH113	00KH113	IBM GPFS for x86 V3.x Client per 10 PVU with 4 Year SW S&S
00KH114	00KH114	IBM GPFS for x86 V3.x Client per 250, 10 PVU with 4 Yr SW S&S
00KH115	00KH115	IBM GPFS for x86 V3.x FPO per 10 PVU with 4 Year SW S&S
00KH116	00KH116	IBM GPFS for x86 V3.x FPO per 250, 10 PVU with 4 Year SW S&S
00KH117	00KH117	IBM GPFS x86 Express Ed V4.x Server per socket with 4 Year SW S&S
00KH118	00KH118	IBM GPFS x86 Express Ed V4.x Server per 250 socket w/ 4 Yr SW S&S
00KH119	00KH119	IBM GPFS x86 Express Ed V4.x Client per socket with 4 Year SW S&S
00KH120	00KH120	IBM GPFS x86 Express Ed V4.x Client per 250 socket w/ 4 Yr SW S&S
00KH121	00KH121	IBM GPFS x86 Express Ed V4.x FPO per socket with 4 Year SW S&S
00KH122	00KH122	IBM GPFS x86 Express Ed V4.x FPO per 250 socket with 4 Yr SW S&S
00KH123	00KH123	IBM GPFS x86 Standard Ed V4.x Server per socket with 4 Year SW S&S
00KH124	00KH124	IBM GPFS x86 Standard Ed V4.x Server per 250 socket w/ 4 Yr SW S&S
00KH125	00KH125	IBM GPFS x86 Standard Ed V4.x Client per socket with 4 Year SW S&S
00KH126	00KH126	IBM GPFS x86 Standard Ed V4.x Client per 250 socket w/ 4 Yr SW S&S
00KH127	00KH127	IBM GPFS x86 Standard Ed V4.x FPO per socket with 4 Year SW S&S
00KH128	00KH128	IBM GPFS x86 Standard Ed V4.x FPO per 250 socket with 4 Yr SW S&S
00KH129	00KH129	IBM GPFS x86 Advanced Ed V4.x Server per socket with 4 Year SW S&S
00KH130	00KH130	IBM GPFS x86 Advanced Ed V4.x Server per 250 socket w/ 4 Yr SW S&S
00KH131	00KH131	IBM GPFS x86 Advanced Ed V4.x Client per socket with 4 Year SW S&S
00KH132	00KH132	IBM GPFS x86 Advanced Ed V4.x Client per 250 socket w/ 4 Yr SW S&S
00KH133	00KH133	IBM GPFS x86 Advanced Ed V4.x FPO per socket with 4 Year SW S&S
00KH134	00KH134	IBM GPFS x86 Advanced Ed V4.x FPO per 250 socket with 4 Yr SW S&S
IBM Platform		
00KE751	00KE751	IBM Platform MPI for x86 V9.x, Per 250 RVU w/1 Yr SW S&S
00KE752	00KE752	IBM Platform MPI for x86 V9.x, Per 250 RVU w/3 Yr SW S&S
00KE753	00KE753	IBM Platform MPI for x86 V9.x, Per 250 RVU w/5 Yr SW S&S
00KE754*	00KE754*	IBM Platform Resource Sched for x86 V2.x, Per Mngd Svr w/1 Yr SW S&S
00KE755*	00KE755*	IBM Platform Resource Sched for x86 V2.x, Per Mngd Svr w/3 Yr SW S&S
00KE756*	00KE756*	IBM Platform Resource Sched for x86 V2.x, Per Mngd Svr w/5 Yr SW S&S
00KE670	00KE670	IBM Platform Cluster Mgr Std Ed for x86 V4.x, Mngd Svr w/1 Yr SW S&S
00KE671	00KE671	IBM Platform Cluster Mgr Std Ed for x86 V4.x, Mngd Svr w/3 Yr SW S&S
00KE672	00KE672	IBM Platform Cluster Mgr Std Ed for x86 V4.x, Mngd Svr w/5 Yr SW S&S
00KE673	00KE673	IBM Platform LSF Standard Ed for x86 V9.x, Per RVU w/1 Yr SW S&S
00KE674	00KE674	IBM Platform LSF Standard Ed for x86 V9.x, Per RVU w/3 Yr SW S&S
00KE675	00KE675	IBM Platform LSF Standard Ed for x86 V9.x, Per RVU w/5 Yr SW S&S
00KE676	00KE676	IBM Platform RTM Server for x86 V9.x, Per Install w/1 Yr SW S&S
00KE677	00KE677	IBM Platform RTM Data Collector for x86 V9.x, Per RVU w/1 Yr SW S&S
00KE678	00KE678	IBM Platform RTM Server for x86 V9.x, Per Install w/3 Yr SW S&S
00KE679	00KE679	IBM Platform RTM Data Collector for x86 V9.x, Per RVU w/3 Yr SW S&S
00KE680	00KE680	IBM Platform RTM Server for x86 V9.x, Per Install w/5 Yr SW S&S
00KE681	00KE681	IBM Platform RTM Data Collector for x86 V9.x, Per RVU w/5 Yr SW S&S
00KE682	00KE682	IBM Platform Appl Ctr Std Ed for x86 V9.x, Per ConUser w/1 Yr SW S&S
00KE683	00KE683	IBM Platform Appl Ctr Std Ed for x86 V9.x, Per ConUser w/3 Yr SW S&S
00KE684	00KE684	IBM Platform Appl Ctr Std Ed for x86 V9.x, Per ConUser w/5 Yr SW S&S
00KE691	00KE691	IBM Platform HPC for x86 V4.x, Per Managed Server w/1 Yr SW S&S
00KE692	00KE692	IBM Platform HPC for x86 V4.x, Per Managed Server w/3 Yr SW S&S
00KE693	00KE693	IBM Platform HPC for x86 V4.x, Per Managed Server w/5 Yr SW S&S
00KE694	00KE694	IBM Platform License Scheduler for x86 V9.x, Per RVU w/1 Yr SW S&S
00KE695	00KE695	IBM Platform License Scheduler for x86 V9.x, Per RVU w/3 Yr SW S&S
00KE696	00KE696	IBM Platform License Scheduler for x86 V9.x, Per RVU w/5 Yr SW S&S
00KE697	00KE697	IBM Platform MPI for x86 V9.x, Per RVU w/1 Yr SW S&S

00KE698	00KE698	IBM Platform MPI for x86 V9.x, Per RVU w/3 Yr SW S&S
00KE699	00KE699	IBM Platform MPI for x86 V9.x, Per RVU w/5 Yr SW S&S
00KE700	00KE700	IBM Platform Cluster Mgr Adv Ed for x86 V4.x, Mngd Svr w/1 Yr SW S&S
00KE701	00KE701	IBM Platform Cluster Mgr Adv Ed for x86 V4.x, Mngd Svr w/3 Yr SW S&S
00KE702	00KE702	IBM Platform Cluster Mgr Adv Ed for x86 V4.x, Mngd Svr w/5 Yr SW S&S
00KE736	00KE736	IBM Platform LSF Standard Ed for x86 V9.x, Per 250 RVU w/1 Yr SW S&S
00KE737	00KE737	IBM Platform LSF Standard Ed for x86 V9.x, Per 250 RVU w/3 Yr SW S&S
00KE738	00KE738	IBM Platform LSF Standard Ed for x86 V9.x, Per 250 RVU w/5 Yr SW S&S
00KE739	00KE739	IBM Platform RTM Data Collector for x86 V9.x, Per 250RVU w/1Yr SWS&S
00KE740	00KE740	IBM Platform RTM Data Collector for x86 V9.x, Per 250RVU w/3Yr SWS&S
00KE741	00KE741	IBM Platform RTM Data Collector for x86 V9.x, Per 250RVU w/5Yr SWS&S
00KE748	00KE748	IBM Platform License Scheduler for x86 V9.x, Per 250RVU w/1Yr SW S&S
00KE749	00KE749	IBM Platform License Scheduler for x86 V9.x, Per 250RVU w/3Yr SW S&S
00KH079	00KH079	IBM Platform Data Mgr for LSF V9.x, Per Simul Session w/1 Yr SW S&S
00KH080	00KH080	IBM Platform Data Mgr for LSF V9.x, Per Simul Session w/3 Yr SW S&S
00KH081	00KH081	IBM Platform Data Mgr for LSF V9.x, Per Simul Session w/5 Yr SW S&S
00KH082	00KH082	IBM Platform Process Mgr for x86 V9.x Per Concur User w/1 Yr SW S&S
00KH083	00KH083	IBM Platform Process Mgr for x86 V9.x Per Concur User w/3 Yr SW S&S
00KH084	00KH084	IBM Platform Process Mgr for x86 V9.x Per Concur User w/5 Yr SW S&S

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Table 4. IBM Tivoli Storage Manager

US Option number Canadian Option number Description

The IBM Tivoli Storage Manager family of products is designed to help provide a comprehensive solution focused on the key data protection activities of backup, archive, recovery, space management and disaster recovery planning.

IBM Tivoli Storage Manager

43W6558*	43W6558*	Tivoli Storage Manager for Mail, 10 Value Units with 1 Year SW Maintenance
43W6559*	43W6559*	Tivoli Storage Manager for Mail, 250 10 Value Units with 1 Year SW Maintenance
43W6564*	43W6564*	Tivoli Storage Manager for ERP, 10 Value Units with 1 Year SW Maintenance
43W6565*	43W6565*	Tivoli Storage Manager for ERP, 250 10 Value Units with 1 Year SW Maintenance
43W6570*	43W6570*	Tivoli Storage Manager for Copy Services, 10 Value Units with 1 Year SW Maintenance
43W6571*	43W6571*	Tivoli Storage Manager for Copy Services, 250 10 Value Units with 1 Year SW Maintenance
43W6574*	43W6574*	IBM Tivoli Storage Manager, Client Devices with 1 Year SW Maintenance
43W6575*	43W6575*	IBM Tivoli Storage Manager, 250 Client Devices with 1 Year SW Maintenance
43W6576*	43W6576*	IBM Tivoli Storage Manager, 10 Value Units with 1 Year SW Maintenance
43W6577*	43W6577*	IBM Tivoli Storage Manager, 250 10 Value Units with 1 Year SW Maintenance
43W6578*	43W6578*	Tivoli Storage Manager Extended Edition, Client Devices with 1 Year SW Maintenance
43W6579*	43W6579*	Tivoli Storage Manager Extended Edition, 250 Client Devices with 1 Year SW Maintenance
43W6580*	43W6580*	Tivoli Storage Manager Extended Edition, 10 Value Units with 1 Year SW Maintenance
43W6581*	43W6581*	Tivoli Storage Manager Extended Edition, 250 10 Value Units with 1 Year SW Maintenance
43W6582*	43W6582*	Tivoli Storage Manager for Storage Area Networks, Client Devices with 1 Year SW Maintenance
43W6583*	43W6583*	Tivoli Storage Manager for Storage Area Networks, 250 Client Devices with 1 Year SW Maintenance
43W6584*	43W6584*	Tivoli Storage Manager for Storage Area Networks, 10 Value Units with 1 Year SW Maintenance
43W6585*	43W6585*	Tivoli Storage Manager for Storage Area Networks, 250 10 Value Units with 1 Year SW Maintenance
46C0273*	46C0273*	Tivoli Continuous Data Protection for Files V3.1.2.0, Per Client
46C0274*	46C0274*	Tivoli Provisioning Manager for OS Deployment V5.1, Per Client
49Y9358*	49Y9358*	Tivoli Storage Manager FastBack Center, Server with 1 Year SW Subscription and Support
49Y9359*	49Y9359*	Tivoli Storage Manager FastBack Center, 250 Servers with 1 Year SW Subscription and Support
46C0335*	46C0335*	IBM Tivoli Provisioning Manager for OS Deployment V5.1.1, Per Client Device with 1 Yr SW Subscription and Support
46C0336*	46C0336*	IBM Tivoli Provisioning Manager for OS Deployment V5.1.1, Per 250 Client Devices with 1 Yr SW Subscription and Support
46C0337*	46C0337*	IBM Tivoli Provisioning Manager for OS Deployment V5.1.1, Per 10 Proc Value Units with 1 Yr SW Subscription and Support
46C0338*	46C0338*	IBM Tivoli Provisioning Manager for OS Deployment V5.1.1, Per 250, 10 Proc Value Units with 1 Yr SW Sub and Support
46C0345*	46C0345*	IBM Tivoli Continuous Data Protection for Files, Per Client Device with 1 Yr SW Subscription and Support
46C0346*	46C0346*	IBM Tivoli Continuous Data Protection for Files, Per 250 Client Devices with 1 Yr SW Subscription and Support
46C0347*	46C0347*	System Storage Archive Manager, Terabyte 1-12 with 1 Year SW Maintenance
46C0348*	46C0348*	System Storage Archive Manager, Terabyte 13-32 with 1 Year SW Maintenance
46C0349*	46C0349*	System Storage Archive Manager, Terabyte 33-64 with 1 Year SW Maintenance
46C0350*	46C0350*	System Storage Archive Manager, Terabyte 65-100 with 1 Year SW Maintenance
46C0351*	46C0351*	System Storage Archive Manager, Terabyte 100-250 with 1 Year SW Maintenance
46C0352*	46C0352*	System Storage Archive Manager, Terabyte 251+ with 1 Year SW Maintenance
46C0353*	46C0353*	System Storage Archive Manager, 250 Terabytes (251+) with 1 Year SW Maintenance
46C0420*	46C0420*	IBM Tivoli Storage Manager FastBack V5.5, 10 Value Units with 1 Year SW Subscription and Support
46C0421*	46C0421*	IBM Tivoli Storage Manager FastBack V5.5, 250, 10 Value Units with 1 Year SW Subscription and Support
46C0422*	46C0422*	IBM TSM FastBack for Microsoft Exchange V5.5, 10 Value Units with 1 Year SW Subscription and Support
46C0423*	46C0423*	IBM TSM FastBack for Microsoft Exchange V5.5, 250, 10 Value Units with 1 Year SW Subscription and Support
46C0424*	46C0424*	IBM TSM FastBack for Bare Machine Recovery V5.5, 10 Value Units with 1 Year SW Subscription and Support
46C0425*	46C0425*	IBM TSM FastBack for Bare Machine Recovery V5.5, 250, 10 Value Units with 1 Year SW Subscription and Support
49Y9282	49Y9282	Tivoli Storage Manager for Mail V6.1, 10 PVUs w/1 Yr SW Maint
49Y9283	49Y9283	Tivoli Storage Manager for Mail V6.1, 250 10 PVUs w/1 Yr SW Maint
46C0340	46C0340	Tiv Monitoring for MS Apps V6.1, Adv Ed Per 10 Proc VUs w/1Yr SW S&S
46C0341	46C0341	IBM Tivoli CDP for Files Starter Ed, Per Client Dev w/1 Yr SW S&S
46C0342	46C0342	IBM Tivoli CDP for Files Starter Ed, Per 250 Client Dev w/1 Yr SW S&S
49Y9332*	49Y9332*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per Server with 1 Yr SW Subscription and Support
49Y9333*	49Y9333*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per 250 Servers with 1 Yr SW Subscription and Support
49Y9334*	49Y9334*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per Workstation with 1 Yr SW Subscription and Support
49Y9335*	49Y9335*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per 250 Workstations with 1 Yr SW Subscription and Support
49Y9336*	49Y9336*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per Server Upgrade with 1 Yr SW Subscription and Support
49Y9337*	49Y9337*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per 250 Server Upgrades with 1 Yr SW Subscription and Support
49Y9338*	49Y9338*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per Workstation Upgrade with 1 Yr SW Subscription and Support
49Y9339*	49Y9339*	IBM Tivoli Provisioning Mgr for OS Deployment Systems Director Edition, Per 250 Workstation Upgrades with 1 Yr SW Subscription and Support
43W6556	43W6556	Tivoli Storage Mgr for Database, 10 Value Units w/1 Yr SW S&S
43W6557	43W6557	Tivoli Storage Mgr for Database, 250 10 Value Units w/1 Yr SW S&S
68Y9106	68Y9106	TSM FastBack for Workstation V6.1, Per 25 Client Dev w/1 Yr SW S&S
68Y9108	68Y9108	TSM FastBack for Workstation V6.1, Per 250, 25 Client Dev w/1Yr SWS&S
49Y9295	49Y9295	IBM Tivoli Storage Manager V6, Client Devices w/1 Yr SW Maint
49Y9296	49Y9296	IBM Tivoli Storage Manager V6, 250 Client Devices w/1 Yr SW Maint

49Y9297	49Y9297	IBM Tivoli Storage Manager V6, 10 Value Units w/1 Yr SW Maint
49Y9298	49Y9298	IBM Tivoli Storage Manager V6, 250 10 Value Units w/1 Yr SW Maint
49Y9299	49Y9299	Tivoli Storage Mgr Extended Ed V6, Client Devices w/1 Yr SW Maint
49Y9300	49Y9300	Tivoli Storage Mgr Extended Ed V6, 250 Client Dev w/1 Yr SW Maint
49Y9301	49Y9301	Tivoli Storage Mgr Extended Edition V6, 10 VUs w/1 Yr SW Maint
49Y9302	49Y9302	Tivoli Storage Mgr Extended Edition V6, 250 10 VUs w/1 Yr SW Maint
49Y9303	49Y9303	Tivoli Storage Mgr for SANs V6, Client Devices w/1 Yr SW Maint
49Y9304	49Y9304	Tivoli Storage Mgr for SANs V6, 250 Client Devices w/1 Yr SW Maint
49Y9305	49Y9305	Tivoli Storage Mgr for SANs V6, 10 Value Units w/1 Yr SW Maint
49Y9306	49Y9306	Tivoli Storage Mgr for SANs V6, 250 10 Value Units w/1 Yr SW Maint
49Y9286	49Y9286	System Storage Archive Mgr V6, Terabyte 1-12 w/1 Yr SW S&S
49Y9287	49Y9287	System Storage Archive Mgr V6, Terabyte 13-32 w/1 Yr SW S&S
49Y9288	49Y9288	System Storage Archive Mgr V6, Terabyte 33-64 w/1 Yr SW S&S
49Y9289	49Y9289	System Storage Archive Mgr V6, Terabyte 65-100 w/1 Yr SW S&S
49Y9290	49Y9290	System Storage Archive Mgr V6, Terabyte 100-250 w/1 Yr SW S&S
49Y9291	49Y9291	System Storage Archive Mgr V6, Terabyte 251+ w/1 Yr SW S&S
49Y9292	49Y9292	System Storage Archive Mgr V6, 250 Terabytes (251+) w/1 Yr SW S&S
68Y9110	68Y9110	IBM Tivoli FlashCopy Mgr V2.x, Terabyte 1-12 w/1 Yr SW Maint
68Y9112	68Y9112	IBM Tivoli FlashCopy Mgr V2.x, Terabyte 13-32 w/1 Yr SW Maint
68Y9114	68Y9114	IBM Tivoli FlashCopy Mgr V2.x, Terabyte 33-64 w/1 Yr SW Maint
68Y9116	68Y9116	IBM Tivoli FlashCopy Mgr V2.x, Terabyte 65-100 w/1 Yr SW Maint
68Y9118	68Y9118	IBM Tivoli FlashCopy Mgr V2.x, Terabyte 100-250 w/1 Yr SW Maint
68Y9120	68Y9120	IBM Tivoli FlashCopy Mgr V2.x, Terabyte 251+ w/1 Yr SW Maint
68Y9122	68Y9122	IBM Tivoli FlashCopy Mgr V2.x, 250 Terabytes (251+) w/1 Yr SW Maint
IBM General Parallel File System V3.2		
46C0428*	46C0428*	IBM General Parallel File System Multiplatform V3.2.1, 10 Value Units with 1 Year SW Subscription and Support
46C0429*	46C0429*	IBM General Parallel File System Multiplatform V3.2.1, 250, 10 Value Units with 1 Year SW Subscription and Support
49Y9348*	49Y9348*	IBM GPFS V3.2.1 Multiplatform, GPFS Server Per 10 VUs w/1 Yr SW S&S
49Y9349*	49Y9349*	IBM GPFS V3.2.1 Multiplatform, GPFS Srv Per 250, 10 VUs w/1Yr SW S&S
49Y9350*	49Y9350*	IBM GPFS V3.2.1 Multiplatform, GPFS Client Per 10 VUs w/1 Yr SW S&S
49Y9351*	49Y9351*	IBM GPFS V3.2.1 Multiplatform, GPFS Cli Per 250, 10 VUs w/1Yr SW S&S
IBM TSM Ste for Unifd Rec V6		
94Y9162	94Y9162	IBM TSM Ste for Unifd Rec V6, Per TB (1-100) Lic w/1 Yr SW S&S
94Y9163	94Y9163	IBM TSM Ste for Unifd Rec V6, Per TB (101-250) Lic w/1 Yr SW S&S
94Y9164	94Y9164	IBM TSM Ste for Unifd Rec V6, Per TB (251-500) Lic w/1 Yr SW S&S
94Y9165	94Y9165	IBM TSM Ste for Unifd Rec V6, Per TB (501-750) Lic w/1 Yr SW S&S
94Y9166	94Y9166	IBM TSM Ste for Unifd Rec V6, Per TB (751-1,250) Lic w/1 Yr SW S&S
94Y9167	94Y9167	IBM TSM Ste for Unifd Rec V6, Per TB (1,251-2,000) Lic w/1 Yr SW S&S
94Y9168	94Y9168	IBM TSM Ste for Unifd Rec V6, Per TB (2,001+) Lic w/1 Yr SW S&S
IBM TSM for Virtual Environments		
94Y9161	94Y9161	IBM TSM for Virtual Environments, Per 10 PVU Lic w/1 Yr SW S&S

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Table 5. Altiris Deployment Solution

US Option number	Canadian Option number	Description

Features Include:

- Comprehensive server deployment for both Windows and Linux environments, including configuration of BIOS, RAID, and other components.
- Full system imaging and scripted operating system installations of Windows and Linux.
- Web console that lets you install local or remote deployment servers and manage them from a central location.
- Remote installation of applications, hotfixes, and service packs as part of server build process.
- Support for BladeCenter which includes the ability to recognize bay in the Blade chassis for rip and replace function

Altiris Deployment Solution for Servers

4819S1X*	4819S1X*	Altiris Support Incident Pack - 5 Incidents - Americas
4819S2X*	4819S2X*	Altiris On-site Support - Standard Work Day - Americas
4819S4X*	4819S4X*	Altiris On-Site Support - Weekends and After Hours - Americas
4819S8X*	4819S8X*	Altiris Assigned Engineer - 25% for 12 Months - Americas
4819S9X*	4819S9X*	Altiris Annual Premium Global Support - Americas
4819SBX*	4819SBX*	Altiris Annual Premium 50 Support - Americas
4819SCX*	4819SCX*	Altiris Annual Premium 25 Support - Americas
4819U1X*	4819U1X*	Altiris Deployment Solution for Servers - Annual Upgrade Protection

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Table 6. Leostream Connection Broker

US Option number	Canadian Option number	Description

Leostream Connection Broker		
4812M01*	4812M01*	Leostream Connection Broker Basic - 1 User - 1 Year Subscription Renewal
4812M02*	4812M02*	Leostream Connection Broker Enterprise - 1 User - 1 Year Subscription Renewal
4812M03*	4812M03*	Leostream Connection Broker Enterprise - 14 Users - 1 Year Subscription Renewal
4812M04*	4812M04*	Leostream Connection Broker Enterprise - 100 Users - 1 Year Subscription Renewal
4812M05*	4812M05*	Leostream Connection Broker Enterprise - 1000 Users - 1 Year Subscription Renewal
4812M06*	4812M06*	Leostream Connection Broker Enterprise - 4000 Users - 1 Year Subscription Renewal
4812M07*	4812M07*	Leostream Connection Broker Enterprise - 10000 Users - 1 Year Subscription Renewal
46C0356*	46C0356*	Leostream Connection Broker Enterprise - 1 User - License + 1 Year Subscription
46C0357*	46C0357*	Leostream Connection Broker Enterprise - 14 Users - License + 1 Year Subscription
46C0358*	46C0358*	Leostream Connection Broker Enterprise - 100 Users - License + 1 Year Subscription

46C0359*	46C0359*	Leostream Connection Broker Enterprise - 1000 Users - License + 1 Year Subscription
46C0360*	46C0360*	Leostream Connection Broker Enterprise - 4000 Users - License + 1 Year Subscription
46C0361*	46C0361*	Leostream Connection Broker Enterprise - 10000 Users - License + 1 Year Subscription

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Table 7. Moab Adaptive Software Suite

US Option number	Canadian Option number	Description
Moab Adaptive Software Suite		
2013M1X	2013M1X	Moab Adaptive HPC Suite - 1 Socket w/3 Yr Sub and Supp
2013M2X	2013M2X	Moab Adaptive HPC Suite - 8 Sockets w/3 Yr Sub and Supp
2013M3X	2013M3X	Moab Adaptive Computing Suite - 1 Socket w/3 Yr Sub and Supp

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Table 8. Atlantis Computing Software

US Option number	Canadian Option number	Description
Atlantis Computing Software		
00KH000	00KH000	Atlantis SW ILIO Persistent VDI p/user, 1 yr Standard S&S
00KH001	00KH001	Atlantis SW ILIO Persistent VDI p/user, 3 yr Standard S&S
00KH002	00KH002	Atlantis SW ILIO Persistent VDI p/250user, 1 yr Standard S&S
00KH003	00KH003	Atlantis SW ILIO Persistent VDI p/250user, 3 yr Standard S&S
00KH004	00KH004	Atlantis SW ILIO Diskless VDI p/user, 1 yr Standard S&S
00KH005	00KH005	Atlantis SW ILIO Diskless VDI p/user, 3 yr Standard S&S
00KH006	00KH006	Atlantis SW ILIO Diskless VDI p/250user, 1 yr Standard S&S
00KH007	00KH007	Atlantis SW ILIO Diskless VDI p/250user, 3 yr Standard S&S
00KH008	00KH008	Atlantis SW ILIO Stateless VDI p/user, 1 yr Standard S&S
00KH009	00KH009	Atlantis SW ILIO Stateless VDI p/user, 3 yr Standard S&S
00KH010	00KH010	Atlantis SW ILIO Stateless VDI p/250user, 1 yr Standard S&S
00KH011	00KH011	Atlantis SW ILIO Stateless VDI p/250user, 3 yr Standard S&S
00KH012	00KH012	Atlantis SW ILIO for XenApp Standard p/host,1 yr Standard S&S
00KH013	00KH013	Atlantis SW ILIO for XenApp Standard p/host,3 yr Standard S&S
00KH014	00KH014	Atlantis SW ILIO for XenApp Standard p/250host,1 yr Standard S&S
00KH015	00KH015	Atlantis SW ILIO for XenApp Standard p/250host,3 yr Standard S&S
00KH016	00KH016	Atlantis SW ILIO for XenApp Enterprise p/host,1 yr Standard S&S
00KH017	00KH017	Atlantis SW ILIO for XenApp Enterprise p/host,3 yr Standard S&S
00KH018	00KH018	Atlantis SW ILIO for XenApp Enterprise p/250host,1 yr Standard S&S
00KH019	00KH019	Atlantis SW ILIO for XenApp Enterprise p/250host,3 yr Standard S&S
00KH020	00KH020	Atlantis SW ILIO for XenApp Entprise p/cncrnt usr,1 yr Stdrd S&S
00KH021	00KH021	Atlantis SW ILIO for XenApp Entprise p/cncrnt usr,3 yr Stdrd S&S
00KH022	00KH022	Atlantis SW ILIO for XenApp Entprise p/250cncrnt usr,1 yr Stdrd S&S
00KH023	00KH023	Atlantis SW ILIO for XenApp Entprise p/250cncrnt usr,3 yr Stdrd S&S
00KH024	00KH024	Atlantis SW USX for local storage, p/TB,1 yr Standard S&S
00KH025	00KH025	Atlantis SW USX for local storage, p/TB,3 yr Standard S&S
00KH026	00KH026	Atlantis SW USX for local storage, p/TB,5 yr Standard S&S
00KH027	00KH027	Atlantis SW USX for local storage, p/TB,1 yr Premium (24x7) S&S
00KH028	00KH028	Atlantis SW USX for local storage, p/TB,3 yr Premium (24x7) S&S
00KH029	00KH029	Atlantis SW USX for local storage, p/TB,5 yr Premium (24x7) S&S
00KH030	00KH030	Atlantis SW USX for shared storage, p/TB,1 yr Standard S&S
00KH031	00KH031	Atlantis SW USX for shared storage, p/TB,3 yr Standard S&S
00KH032	00KH032	Atlantis SW USX for shared storage, p/TB,5 yr Standard S&S
00KH033	00KH033	Atlantis SW USX for shared storage, p/TB,1 yr Premium S&S
00KH034	00KH034	Atlantis SW USX for shared storage, p/TB,3 yr Premium S&S
00KH035	00KH035	Atlantis SW USX for shared storage, p/TB,5 yr Premium S&S
00KH036	00KH036	Atlantis SW USX for VDI storage, p/Desktop VM,1 yr Standard S&S
00KH037	00KH037	Atlantis SW USX for VDI storage, p/Desktop VM,3 yr Standard S&S
00KH038	00KH038	Atlantis SW USX for VDI storage, p/Desktop VM,5 yr Standard S&S
00KH039	00KH039	Atlantis SW USX for VDI storage, p/Desktop VM,1 yr Premium S&S
00KH040	00KH040	Atlantis SW USX for VDI storage, p/Desktop VM,3 yr Premium S&S
00KH041	00KH041	Atlantis SW USX for VDI storage, p/Desktop VM,5 yr Premium S&S
00KH042	00KH042	Atlantis SW USX for VDI storage, p/250Desktop VM,1 yr Standard S&S
00KH043	00KH043	Atlantis SW USX for VDI storage, p/250Desktop VM,3 yr Standard S&S
00KH044	00KH044	Atlantis SW USX for VDI storage, p/250Desktop VM,5 yr Standard S&S
00KH045	00KH045	Atlantis SW USX for VDI storage, p/250Desktop VM,1 yr Premium S&S
00KH046	00KH046	Atlantis SW USX for VDI storage, p/250Desktop VM,3 yr Premium S&S
00KH047	00KH047	Atlantis SW USX for VDI storage, p/250Desktop VM,5 yr Premium S&S
00KH048	00KH048	Atlantis SW USX for Shared Desktops, p/host,1 yr Standard S&S
00KH049	00KH049	Atlantis SW USX for Shared Desktops, p/host,3 yr Standard S&S
00KH050	00KH050	Atlantis SW USX for Shared Desktops, p/host,5 yr Standard S&S
00KH051	00KH051	Atlantis SW USX for Shared Desktops, p/host,1 yr Premium S&S
00KH052	00KH052	Atlantis SW USX for Shared Desktops, p/host,3 yr Premium S&S
00KH053	00KH053	Atlantis SW USX for Shared Desktops, p/host,5 yr Premium S&S
00KH054	00KH054	Atlantis SW USX for Shared Desktops, p/250host,1 yr Standard S&S
00KH055	00KH055	Atlantis SW USX for Shared Desktops, p/250host,3 yr Standard S&S
00KH056	00KH056	Atlantis SW USX for Shared Desktops, p/250host,5 yr Standard S&S
00KH057	00KH057	Atlantis SW USX for Shared Desktops, p/250host,1 yr Premium S&S
00KH058	00KH058	Atlantis SW USX for Shared Desktops, p/250host,3 yr Premium S&S
00KH059	00KH059	Atlantis SW USX for Shared Desktops, p/250host,5 yr Premium S&S
00KH060	00KH060	Atlantis SW ILIO and USX-Special offer-use for Lenovo sellers only

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Table 9. XClarity Software

US Option number	Canadian Option number	Description
XClarity Software		
00MT198	00MT198	Lenovo XClarity Pro, per Managed Chassis w/1 Yr SW S&S
00MT199	00MT199	Lenovo XClarity Pro, per Managed Chassis w/3 Yr SW S&S
00MT200	00MT200	Lenovo XClarity Pro, per Managed Chassis w/5 Yr SW S&S
00MT201	00MT201	Lenovo XClarity Pro, per Managed Server w/1 Yr SW S&S
00MT202	00MT202	Lenovo XClarity Pro, per Managed Server w/3 Yr SW S&S
00MT203	00MT203	Lenovo XClarity Pro, per Managed Server w/5 Yr SW S&S
00JY337	00JY337	Lenovo XClarity Administrator, per Mngd Chassis w/1 Yr SW S&S
00JY338	00JY338	Lenovo XClarity Administrator, per Mngd Chassis w/3 Yr SW S&S
00JY339	00JY339	Lenovo XClarity Administrator, per Mngd Chassis w/5 Yr SW S&S
00JY340	00JY340	Lenovo XClarity Administrator, per Mngd Server w/1 Yr SW S&S
00JY341	00JY341	Lenovo XClarity Administrator, per Mngd Server w/3 Yr SW S&S
00JY342	00JY342	Lenovo XClarity Administrator, per Mngd Server w/5 Yr SW S&S
Lenovo XClarity Integrators		
00KE784	00KE784	Lenovo XClarity Integrator for Zenoss, Per Mngd Server w/1 Yr SW S&S
00MT275	00MT275	Lenovo XClarity Integrator for MSSC, Per Mgd Srv w/1Yr S&S
00MT276	00MT276	Lenovo XClarity Integrator for MSSC, Per Mgd Srv w/3Yr S&S
00MT277	00MT277	Lenovo XClarity Integrator for MSSC, Per Mgd Srv w/5Yr S&S
00MT278	00MT278	Lenovo XClarity Integrator for MSSC w/IMMv2Adv, Per Mgd Srv w/1YrS&S
00MT279	00MT279	Lenovo XClarity Integrator for MSSC w/IMMv2Adv, Per Mgd Srv w/3YrS&S
00MT280	00MT280	Lenovo XClarity Integrator for MSSC w/IMMv2Adv, Per Mgd Srv w/5YrS&S
00MT281	00MT281	Lenovo XClarity Integrator for VMware vCenter, Per Mgd Srv w/1Yr S&S
00MT282	00MT282	Lenovo XClarity Integrator for VMware vCenter, Per Mgd Srv w/3Yr S&S
00MT283	00MT283	Lenovo XClarity Integrator for VMware vCenter, Per Mgd Srv w/5Yr S&S
00MT284	00MT284	Lenovo XClarity Integrator f/VMw vCtr w/IMMv2Adv, PerMgdSrv w/1YrS&S
00MT285	00MT285	Lenovo XClarity Integrator f/VMw vCtr w/IMMv2Adv, PerMgdSrv w/3YrS&S
00MT286	00MT286	Lenovo XClarity Integrator f/VMw vCtr w/IMMv2Adv, PerMgdSrv w/5YrS&S
Lenovo Switch Center		
00KH167	00KH167	Lenovo Swtch Ctr v8.x for 20 Switches, Per Install w/1 Yr SW S&S
00KH168	00KH168	Lenovo Swtch Ctr v8.x for 50 Switches, Per Install w/1 Yr SW S&S
00KH169	00KH169	Lenovo Swtch Ctr v8.x for 100 Switches, Per Install w/1 Yr SW S&S
00KH170	00KH170	Lenovo Swtch Ctr v8.x for 250 Switches, Per Install w/1 Yr SW S&S
00KH171	00KH171	Lenovo Swtch Ctr v8.x for 500 Switches, Per Install w/1 Yr SW S&S
00KH172	00KH172	Lenovo Swtch Ctr v8.x for 1000 Switches, Per Install w/1 Yr SW S&S
00KH173	00KH173	Lenovo Swtch Ctr v8.x for 20 Switches, Per Install w/3 Yr SW S&S
00KH174	00KH174	Lenovo Swtch Ctr v8.x for 50 Switches, Per Install w/3 Yr SW S&S
00KH175	00KH175	Lenovo Swtch Ctr v8.x for 100 Switches, Per Install w/3 Yr SW S&S
00KH176	00KH176	Lenovo Swtch Ctr v8.x for 250 Switches, Per Install w/3 Yr SW S&S
00KH177	00KH177	Lenovo Swtch Ctr v8.x for 500 Switches, Per Install w/3 Yr SW S&S
00KH178	00KH178	Lenovo Swtch Ctr v8.x for 1000 Switches, Per Install w/3 Yr SW S&S
00KH179	00KH179	Lenovo Swtch Ctr v8.x for 20 Switches, Per Install w/5 Yr SW S&S
00KH180	00KH180	Lenovo Swtch Ctr v8.x for 50 Switches, Per Install w/5 Yr SW S&S
00KH181	00KH181	Lenovo Swtch Ctr v8.x for 100 Switches, Per Install w/5 Yr SW S&S
00KH182	00KH182	Lenovo Swtch Ctr v8.x for 250 Switches, Per Install w/5 Yr SW S&S
00KH183	00KH183	Lenovo Swtch Ctr v8.x for 500 Switches, Per Install w/5 Yr SW S&S
00KH184	00KH184	Lenovo Swtch Ctr v8.x for 1000 Switches, Per Install w/5 Yr SW S&S
Zenoss Resource Manager		
00KE785	00KE785	Zenoss Resource Manager for 1 Virtualized Srv w/1 Year SnS
00KE786	00KE786	Zenoss Resource Manager for 10 Virtualized Srvs w/1 Year SnS
00KE787	00KE787	Zenoss Resource Manager for 100 Virtualized Srvs w/1 Year SnS
00KE792	00KE792	Zenoss Resource Manager for 1 Physical Srv w/1 Year SnS
00KE793	00KE793	Zenoss Resource Manager for 10 Physical Srvs w/1 Year SnS
00KE794	00KE794	Zenoss Resource Manager for 100 Physical Srvs w/1 Year SnS

* Lenovo has withdrawn this product from marketing.

VMware offerings

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Table 1. VMware Infrastructure 3 with VMware VirtualCenter Management Server 2

US Option number	Canadian Option number	Description
VMware		
Subscription Services		
4817ELA	4817ELA	VMware Infrastructure Enterprise License Agreement
4817SA5	4817SA5	Subscription Only VMware vSphere 4.1 Standard - 1 Proc - 1 Yr
4817SA6	4817SA6	Subscription Only VMware vSphere 4.1 Advanced - 1 Proc - 1 Yr
4817SA7	4817SA7	Subscription Only VMware vSphere 4.1 Enterprise Plus - 1 Proc - 1 Yr
4817SA8	4817SA8	Subscription Only VMware vSphere 4.1 Essentials Kit - 3 Hosts - 1 Yr
4817SA9	4817SA9	Subscription Only VMware vSphere 4.1 Essen Plus Kit - 3 Hosts -1 Yr
4817SB0	4817SB0	Subscription Only VMware vSphere 4.1 Std w/Data Recovery-1 Proc-1 Yr
4817SB1	4817SB1	Subscription Only VMware vCenter Srv 4.1 Standard - 1 Instance -1 Yr
4817SB2	4817SB2	Subscription Only VMware vCenter Srv 4.1 Foundation -1 Instance-1 Yr
4817SB3	4817SB3	Sub Only VMware vSphere 4.1 Ent Plus Accel Kit-8 Processors-1 Yr
4817TA5	4817TA5	Subscription Only VMware vSphere 4.1 Standard - 1 Proc - 3 Yr
4817TA6	4817TA6	Subscription Only VMware vSphere 4.1 Advanced - 1 Proc - 3 Yr
4817TA7	4817TA7	Subscription Only VMware vSphere 4.1 Enterprise Plus - 1 Proc - 3 Yr
4817TA8	4817TA8	Subscription Only VMware vSphere 4.1 Essentials Kit - 3 Hosts - 3 Yr
4817TA9	4817TA9	Subscription Only VMware vSphere 4.1 Essen Plus Kit - 3 Hosts -3 Yr
4817TB0	4817TB0	Subscription Only VMware vSphere 4.1 Std w/Data Recovery-1 Proc-3 Yr
4817TB1	4817TB1	Subscription Only VMware vCenter Srv 4.1 Standard - 1 Instance -3 Yr
4817TB2	4817TB2	Subscription Only VMware vCenter Srv 4.1 Foundation -1 Instance-3 Yr
4817TB3	4817TB3	Sub Only VMware vSphere 4.1 Ent Plus Accel Kit-8 Processors-3 Yr
4817SB5	4817SB5	Sub Only VMware vSphere 4.1 Advanced Accel Kit-6 Processors-1 Yr
4817SB7	4817SB7	Subscription Only VMware vSphere 4.1 Enterprise - 1 Proc - 1 Yr
4817TB5	4817TB5	Sub Only VMware vSphere 4.1 Advanced Accel Kit-6 Processors-3 Yr
4817TB7	4817TB7	Subscription Only VMware vSphere 4.1 Enterprise - 1 Proc - 3 Yr
4817UA5	4817UA5	Subscription Only VMware vSphere 4.1 Standard - 1 Proc - 5 Yr
4817UA6	4817UA6	Subscription Only VMware vSphere 4.1 Advanced - 1 Proc - 5 Yr
4817UA7	4817UA7	Subscription Only VMware vSphere 4.1 Enterprise Plus - 1 Proc - 5 Yr
4817UA8	4817UA8	Subscription Only VMware vSphere 4.1 Essentials Kit - 3 Hosts - 5 Yr
4817UA9	4817UA9	Subscription Only VMware vSphere 4.1 Essen Plus Kit - 3 Hosts -5 Yr
4817UB0	4817UB0	Subscription Only VMware vSphere 4.1 Std w/Data Recovery-1 Proc-5 Yr
4817UB1	4817UB1	Subscription Only VMware vCenter Srv 4.1 Standard - 1 Instance -5 Yr
4817UB2	4817UB2	Subscription Only VMware vCenter Srv 4.1 Foundation -1 Instance-5 Yr
4817UB3	4817UB3	Sub Only VMware vSphere 4.1 Ent Plus Accel Kit-8 Processors-5 Yr
4817VA5	4817VA5	VMware vSphere 4.1 Standard - 1 Processor License Only
4817VA6	4817VA6	VMware vSphere 4.1 Advanced - 1 Processor License Only
4817VA7	4817VA7	VMware vSphere 4.1 Enterprise Plus - 1 Processor License Only
4817VA8	4817VA8	VMware vSphere 4.1 Essentials Kit - 3 2-Socket Hosts License Only
4817VA9	4817VA9	VMware vSphere 4.1 Essen Plus Kit - 3 2-Socket Hosts License Only
4817VB0	4817VB0	VMware vSphere 4.1 Standard w/Data Recovery-1 Processor License Only
4817VB1	4817VB1	VMware vCenter Mgmt Server 4.1 Standard - 1 Instance License Only
4817VB2	4817VB2	VMware vCenter Mgmt Server 4.1 Foundation - 1 Instance License Only
4817VB3	4817VB3	VMware vSphere 4.1 Enterprise Plus Acc Kit-8 Processors License Only
4817UB5	4817UB5	Sub Only VMware vSphere 4.1 Advanced Accel Kit-6 Processors-5 Yr
4817UB7	4817UB7	Subscription Only VMware vSphere 4.1 Enterprise - 1 Proc - 5 Yr
4817VB5	4817VB5	VMware vSphere 4.1 Advanced Accel Kit - 6 Processors License Only
4817VB7	4817VB7	VMware vSphere 4.1 Enterprise - 1 Processor License Only
4817Z00	4817Z00	VMware vSphere 4.1 Std to Std w/Data Rec Upgr - 1 Proc License Only
4817Z01	4817Z01	VMware vSphere 4.1 Std w/Data Recov to Adv Upgr-1 Proc License Only
4817Z02	4817Z02	VMware vSphere 4.1 Std w/Data Rec to Ent Plus Upgr-1 Proc Lic Only
4817Z03	4817Z03	VMware vCenter Mgmt Srv 4.1 Fdn to Std Upgr - 1 Instance License Only
4817Z07	4817Z07	VMware ESXi 4.0 to vSphere 4.0 Std Upgrade -1 Processor License Only
4817Z08	4817Z08	VMware ESXi 4.0 to vSphere 4.0 Adv Upgrade -1 Processor License Only
4817Z09	4817Z09	VMware ESXi 4.0 to vSphere 4.0 EntPlus Upgr-1 Processor License Only
4817Z10	4817Z10	VMware vSphere 4.1 Std to Adv Upgrade - 1 Processor License Only
4817Z11	4817Z11	VMware vSphere 4.1 Std to Ent Plus Upgrade -1 Processor License Only
4817Z12	4817Z12	VMware vSphere 4.1 Adv to Ent Plus Upgrade -1 Processor License Only
4817Z13	4817Z13	VMware vSphere 4.1 Ent to Ent Plus Upgrade -1 Processor License Only
4817TZ0	4817TZ0	Sub Only VMware vSphere 4.1 Std to Std w/Data Rec Upgr-1 Proc-3 Yr
4817TZ1	4817TZ1	Sub Only VMware vSphere 4.1 Std w/DR to Adv Upgr - 1 Proc - 3 Yr
4817TZ2	4817TZ2	Sub Only VMware vSphere 4.1 Std w/DR to Ent Plus Upgr- 1 Proc - 3 Yr
4817TZ3	4817TZ3	Sub Only VMware vCenter Srv 4.1 Fdn to Std Upgr - 1 Instance -3 Yr
4817TZA	4817TZA	Sub Only VMware vSphere 4.1 Std to Adv Upgr - 1 Proc - 3 Yr
4817TZB	4817TZB	Sub Only VMware vSphere 4.1 Std to Ent Plus Upgr - 1 Proc - 3 Yr
4817TZC	4817TZC	Sub Only VMware vSphere 4.1 Adv to Ent Plus Upgr - 1 Proc - 3 Yr
4817TZD	4817TZD	Sub Only VMware vSphere 4.1 Ent to Ent Plus Upgr - 1 Proc - 3 Yr
4817UZ0	4817UZ0	Sub Only VMware vSphere 4.1 Std to Std w/Data Rec Upgr-1 Proc-5 Yr
4817UZ1	4817UZ1	Sub Only VMware vSphere 4.1 Std w/DR to Adv Upgr - 1 Proc - 5 Yr
4817UZ2	4817UZ2	Sub Only VMware vSphere 4.1 Std w/DR to Ent Plus Upgr- 1 Proc - 5 Yr
4817UZ3	4817UZ3	Sub Only VMware vCenter Srv 4.1 Fdn to Std Upgr - 1 Instance -5 Yr
4817UZA	4817UZA	Sub Only VMware vSphere 4.1 Std to Adv Upgr - 1 Proc - 5 Yr
4817UZB	4817UZB	Sub Only VMware vSphere 4.1 Std to Ent Plus Upgr - 1 Proc - 5 Yr
4817UZC	4817UZC	Sub Only VMware vSphere 4.1 Adv to Ent Plus Upgr - 1 Proc - 5 Yr
4817UZD	4817UZD	Sub Only VMware vSphere 4.1 Ent to Ent Plus Upgr - 1 Proc - 5 Yr

4817SZ0	4817SZ0	Sub Only VMware vSphere 4.1 Std to Std w/Data Rec Upgr-1 Proc-1 Yr
4817SZ1	4817SZ1	Sub Only VMware vSphere 4.1 Std w/DR to Adv Upgr - 1 Proc - 1 Yr
4817SZ2	4817SZ2	Sub Only VMware vSphere 4.1 Std w/DR to Ent Plus Upgr- 1 Proc - 1 Yr
4817SZ3	4817SZ3	Sub Only VMware vCenter Srv 4.1 Fdn to Std Upgr - 1 Instance -1 Yr
4817SZA	4817SZA	Sub Only VMware vSphere 4.1 Std to Adv Upgr - 1 Proc - 1 Yr
4817SZB	4817SZB	Sub Only VMware vSphere 4.1 Std to Ent Plus Upgr - 1 Proc - 1 Yr
4817SZC	4817SZC	Sub Only VMware vSphere 4.1 Adv to Ent Plus Upgr - 1 Proc - 1 Yr
4817SZD	4817SZD	Sub Only VMware vSphere 4.1 Ent to Ent Plus Upgr - 1 Proc - 1 Yr
4817SZG*	4817SZG*	Sub Only VMware vSphere 4.1 Essen to EssenPlus Kit Upgr-3 Hosts-1 Yr
4817SZQ*	4817SZQ*	Sub Only VMw vCtr Acc Kit for SRM 1 to SRM 4 for vSph EntPI Upg, 1Yr
4817SZR*	4817SZR*	Sub Only VMw vCtr Acc Kit for SRM 4 for vSph Adv to EntPI Upg, 1 Yr
4817SZS*	4817SZS*	SubOnly VIEnt+SRM Bndl PROMO to SRM 4 Exp Pk for vSph EntPI Upg, 1Yr
4817SCO*	4817SCO*	Sub Only VMware vCenter Srv Heartbeat 6.3 for 1 vCenter Server- 1 Yr
4817SC1	4817SC1	Subscription Only VMware vCenter Lab Manager, 1 Yr
4817SC2	4817SC2	Subscription Only VMware vCenter Site Recovery Manager 4, 1 Yr
4817SC3	4817SC3	Sub Only VMware vCenter Site Rec Mgr 4 Accel Kit for vSph Adv, 1 Yr
4817SC4	4817SC4	Sub Only VMware vCenter Site Rec Mgr 4 Accel Kit for vSph EntPI, 1Yr
4817SC5	4817SC5	Sub Only VMware vCenter Site Rec Mgr 4 Exp Pack for vSph Adv, 1 Yr
4817SC6	4817SC6	Sub Only VMware vCenter Site Rec Mgr 4 Exp Pack for vSph EntPI, 1 Yr
4817SC7	4817SC7	Subscription Only VMware View 4 Enterprise Add-on 10 pack, 1 Yr
4817SC8	4817SC8	Subscription Only VMware View 4 Enterprise Add-on 100 pack, 1 Yr
4817SC9	4817SC9	Subscription Only VMware View 4 Enterprise Bundle Starter Kit, 1 Yr
4817SD0	4817SD0	Subscription Only VMware View 4 Enterprise Bundle 100 Pack, 1 Yr
4817SD1	4817SD1	Subscription Only VMware View 4 Enterprise Bundle 10 Pack, 1 Yr
4817SD2	4817SD2	Subscription Only VMware View 4 Premier Bundle Starter Kit, 1 Yr
4817SD3	4817SD3	Subscription Only VMware View 4 Premier Bundle: 100 Pack, 1 Yr
4817SD4	4817SD4	Subscription Only VMware View 4 Premier Bundle - 10 Pack, 1 Yr
4817SD5	4817SD5	Sub Only VMware View 4 Premier Desktop Add-On - 10 desktop VMs, 1 Yr
4817SD6	4817SD6	Sub Only VMware View 4 Premier Desktop Add-On - 100 desktop VMs, 1Yr
4817SD7	4817SD7	Subscription Only VMware View Premier Upgrade - 10 desktop VMs, 1 Yr
4817SD8	4817SD8	Subscription Only VMware View Premier Upgrade - 100 desktop VMs, 1Yr
4817SD9	4817SD9	Subscription Only VMware vCenter Lab Manager 4.0, 1 Yr
4817UZG*	4817UZG*	Sub Only VMware vSphere 4.1 Essen to EssenPlus Kit Upgr-3 Hosts-5 Yr
4817UZQ*	4817UZQ*	Sub Only VMw vCtr Acc Kit for SRM 1 to SRM 4 for vSph EntPI Upg, 5Yr
4817UZR*	4817UZR*	Sub Only VMw vCtr Acc Kit for SRM 4 for vSph Adv to EntPI Upg, 5 Yr
4817UZS*	4817UZS*	SubOnly VIEnt+SRM Bndl PROMO to SRM 4 Exp Pk for vSph EntPI Upg, 5Yr
4817UC0*	4817UC0*	Sub Only VMware vCenter Srv Heartbeat 6.3 for 1 vCenter Server- 5 Yr
4817UC1	4817UC1	Subscription Only VMware vCenter Lab Manager, 5 Yr
4817UC2	4817UC2	Subscription Only VMware vCenter Site Recovery Manager 4, 5 Yr
4817UC3	4817UC3	Sub Only VMware vCenter Site Rec Mgr 4 Accel Kit for vSph Adv, 5 Yr
4817UC4	4817UC4	Sub Only VMware vCenter Site Rec Mgr 4 Accel Kit for vSph EntPI, 5Yr
4817UC5	4817UC5	Sub Only VMware vCenter Site Rec Mgr 4 Exp Pack for vSph Adv, 5 Yr
4817UC6	4817UC6	Sub Only VMware vCenter Site Rec Mgr 4 Exp Pack for vSph EntPI, 5 Yr
4817UC7	4817UC7	Subscription Only VMware View 4 Enterprise Add-on 10 pack, 5 Yr
4817UC8	4817UC8	Subscription Only VMware View 4 Enterprise Add-on 100 pack, 5 Yr
4817UC9	4817UC9	Subscription Only VMware View 4 Enterprise Bundle Starter Kit, 5 Yr
4817UD0	4817UD0	Subscription Only VMware View 4 Enterprise Bundle 100 Pack, 5 Yr
4817UD1	4817UD1	Subscription Only VMware View 4 Enterprise Bundle 10 Pack, 5 Yr
4817UD2	4817UD2	Subscription Only VMware View 4 Premier Bundle Starter Kit, 5 Yr
4817UD3	4817UD3	Subscription Only VMware View 4 Premier Bundle: 100 Pack, 5 Yr
4817UD4	4817UD4	Subscription Only VMware View 4 Premier Bundle - 10 Pack, 5 Yr
4817UD5	4817UD5	Sub Only VMware View 4 Premier Desktop Add-On - 10 desktop VMs, 5 Yr
4817UD6	4817UD6	Sub Only VMware View 4 Premier Desktop Add-On - 100 desktop VMs, 5Yr
4817UD7	4817UD7	Subscription Only VMware View Premier Upgrade - 10 desktop VMs, 5 Yr
4817UD8	4817UD8	Subscription Only VMware View Premier Upgrade - 100 desktop VMs, 5Yr
4817UD9	4817UD9	Subscription Only VMware vCenter Lab Manager 4.0, 5 Yr
4817TZG*	4817TZG*	Sub Only VMware vSphere 4.1 Essen to EssenPlus Kit Upgr-3 Hosts-3 Yr
4817TZQ*	4817TZQ*	Sub Only VMw vCtr Acc Kit for SRM 1 to SRM 4 for vSph EntPI Upg, 3Yr
4817TZR*	4817TZR*	Sub Only VMw vCtr Acc Kit for SRM 4 for vSph Adv to EntPI Upg, 3 Yr
4817TZS*	4817TZS*	SubOnly VIEnt+SRM Bndl PROMO to SRM 4 Exp Pk for vSph EntPI Upg, 3Yr
4817TC0*	4817TC0*	Sub Only VMware vCenter Srv Heartbeat 6.3 for 1 vCenter Server- 3 Yr
4817TC1	4817TC1	Subscription Only VMware vCenter Lab Manager, 3 Yr
4817TC2	4817TC2	Subscription Only VMware vCenter Site Recovery Manager 4, 3 Yr
4817TC3	4817TC3	Sub Only VMware vCenter Site Rec Mgr 4 Accel Kit for vSph Adv, 3 Yr
4817TC4	4817TC4	Sub Only VMware vCenter Site Rec Mgr 4 Accel Kit for vSph EntPI, 3Yr
4817TC5	4817TC5	Sub Only VMware vCenter Site Rec Mgr 4 Exp Pack for vSph Adv, 3 Yr
4817TC6	4817TC6	Sub Only VMware vCenter Site Rec Mgr 4 Exp Pack for vSph EntPI, 3 Yr
4817TC7	4817TC7	Subscription Only VMware View 4 Enterprise Add-on 10 pack, 3 Yr
4817TC8	4817TC8	Subscription Only VMware View 4 Enterprise Add-on 100 pack, 3 Yr
4817TC9	4817TC9	Subscription Only VMware View 4 Enterprise Bundle Starter Kit, 3 Yr
4817TD0	4817TD0	Subscription Only VMware View 4 Enterprise Bundle 100 Pack, 3 Yr
4817TD1	4817TD1	Subscription Only VMware View 4 Enterprise Bundle 10 Pack, 3 Yr
4817TD2	4817TD2	Subscription Only VMware View 4 Premier Bundle Starter Kit, 3 Yr
4817TD3	4817TD3	Subscription Only VMware View 4 Premier Bundle: 100 Pack, 3 Yr
4817TD4	4817TD4	Subscription Only VMware View 4 Premier Bundle - 10 Pack, 3 Yr
4817TD5	4817TD5	Sub Only VMware View 4 Premier Desktop Add-On - 10 desktop VMs, 3 Yr
4817TD6	4817TD6	Sub Only VMware View 4 Premier Desktop Add-On - 100 desktop VMs, 3Yr
4817TD7	4817TD7	Subscription Only VMware View Premier Upgrade - 10 desktop VMs, 3 Yr
4817TD8	4817TD8	Subscription Only VMware View Premier Upgrade - 100 desktop VMs, 3Yr
4817TD9	4817TD9	Subscription Only VMware vCenter Lab Manager 4.0, 3 Yr
4817Z15*	4817Z15*	VMware vSphere 4.0 Ent to Ent Plus Promotional Upgr-1 Proc Lic Only
4817Z16*	4817Z16*	VMware vSphere 4.1 Essentials to EssentialsPlus Upgr-3 Hosts Lic Only
4817Z17*	4817Z17*	VMw vCtr SRM 1 Accel Kit to SRM 4 Accel Kit for vSph EntPI Lic Upgr
4817Z18*	4817Z18*	VMw vCtr SRM 4 Acc Kit for vSph Adv to Accel Kit for vSph Ent Lic Upg
4817Z19*	4817Z19*	VIEnt+SRM Bndl PROMO to VMw vCtr SRM 4 ExpPk for vSph EntPI Lic Upg
4817VC0*	4817VC0*	VMware vCenter Srv Heartbeat 6.3 for 1 vCenter Srv - License Only
4817VC1	4817VC1	VMware vCenter Lab Manager 4.0 for 1 processor - License Only
4817VC2	4817VC2	VMware vCenter Site Recovery Manager 4 for 1 processor- License Only
4817VC3	4817VC3	VMware vCenter Site Rec Mgr 4 Accel Kit for vSph 4 Adv-Lic Only
4817VC4	4817VC4	VMware vCenter Site Rec Mgr 4 Accel Kit for vSph 4 Ent Plus-Lic Only
4817VC5	4817VC5	VMware vCenter Site Rec Mgr 4 Expansion Pack for vSph 4 Adv-Lic Only
4817VC6	4817VC6	VMware vCenter Site Rec Mgr 4 Expansion Pk for vSph 4 EntPI-Lic Only
4817VC7	4817VC7	VMware View 4 Enterprise Add-on: 10 pack - License Only
4817VC8	4817VC8	VMware View 4 Enterprise Add-on: 100 pack - License Only
4817VC9	4817VC9	VMware View 4 Enterprise Bundle: Starter Kit - License Only
4817VD0	4817VD0	VMware View 4 Enterprise Bundle: 100 Pack - License Only
4817VD1	4817VD1	VMware View 4 Enterprise Bundle: 10 Pack - License Only

4817VD2	4817VD2	VMware View 4 Premier Bundle: Starter Kit - License Only
4817VD3	4817VD3	VMware View 4 Premier Bundle: 100 Pack - License Only
4817VD4	4817VD4	VMware View 4 Premier Bundle: 10 Pack - License Only
4817VD5	4817VD5	VMware View 4 Premier Add-On: 10 pack - License Only
4817VD6	4817VD6	VMware View 4 Premier Add-On: 100 pack - License Only
4817VD7	4817VD7	VMware View 4 Enterprise to Premier Upgrade: 10 pack - License Only
4817VD8	4817VD8	VMware View 4 Enterprise to Premier Upgrade: 100 pack - License Only
4817VD9	4817VD9	VMware vCenter Lab Manager 4.0 for 1 processor - License Only
4817V30*	4817V30*	VMware Infrastructure 3 Enterprise Blade Server License Pack for 16 Sockets
4817V31*	4817V31*	VMware Infrastructure 3 Enterprise Blade Server License Pack for 20 Sockets
4817V32*	4817V32*	VMware Infrastructure 3 Enterprise Blade Server License Pack for 28 Sockets
4817V62*	4817V62*	VMware vSphere 4.0 Media Kit - English Version
4817V63*	4817V63*	VMware Infrastructure Media Kit
4817V64*	4817V64*	VMware VDI Starter Kit - 10 VMs
4817V65*	4817V65*	VMware VDI Bundle - 100 VMs
4817V66*	4817V66*	VMware VDI Bundle - 10 additional VMs
4817V67*	4817V67*	VMware VDM 2 Connection Broker - 100 VMs
4817V68*	4817V68*	VMware VDM 2 Connection Broker - 10 additional VMs
4817V71*	4817V71*	VMware Infrastructure Foundation - 2 Sockets License Only
4817V72*	4817V72*	VMware Infrastructure Standard - 2 Sockets License Only
4817V73*	4817V73*	VMware Infrastructure Enterprise - 2 Sockets License Only
4817V74*	4817V74*	VMware HA - 2 Sockets License Only
4817V75*	4817V75*	VMware DRS - 2 Sockets License Only
4817V76*	4817V76*	VMware VCMS - 2 Sockets License Only
4817V77*	4817V77*	VMware VCMS Foundation - 2 Sockets License Only
4817V78*	4817V78*	VMware VMotion w/Storage VMotion- 2 Sockets License Only
4817V79*	4817V79*	VMware ESX Server 3i to Foundation Upgrade - 2 Sockets License Only
4817V80*	4817V80*	VMware ESX Server 3i to Standard Upgrade - 2 Sockets License Only
4817V81*	4817V81*	VMware ESX Server 3i to Enterprise Upgrade - 2 Sockets License Only
4817V82*	4817V82*	VMware VirtCtr Fdn to VMware VirtCtr Svr Upgr - 2 Socket - Lic Only
4817V83*	4817V83*	VMware Foundation to Standard Upgrade - 2 Sockets License Only
4817V84*	4817V84*	VMware Foundation to Enterprise Upgrade - 2 Sockets License Only
4817V85*	4817V85*	VMware Standard to Enterprise Upgrade - 2 Sockets License Only
4817V86*	4817V86*	VMware Infra Std HA Acceleration Kit for 4 Sockets License Only
4817V87*	4817V87*	VMware Infra Fdn Acceleration Kit for 6 Sockets License Only
4817V88*	4817V88*	VMware Infra Enterprise Accel Kit - 8 Sockets - License Only
4817V89*	4817V89*	VMware Site Recovery Manager - 1 Socket - License Only
4817V90*	4817V90*	VMware Lab Manager - 1 Socket - License Only
4817V91*	4817V91*	VMware Life Cycle Manager - 1 Socket - License Only
4817V92*	4817V92*	VMware Stage Manager - 1 Socket - License Only
4817V93*	4817V93*	VMware View Enterprise Starter Kit for 10 desktop VMs - 1 ESX Lic
4817V94*	4817V94*	VMware View Enterprise Bundle 100 pack (with 4 ESX 2 Socket Lic)
4817V95*	4817V95*	VMware View Enterprise Bundle 10 pack (with 1 ESX 2 Socket License)
4817V96*	4817V96*	VMware View Premier Bundle Starter Kit and VC Found 10 desktop VMs
4817V97*	4817V97*	VMware View Premier Bundle 100 Pack (with VI Ent) 100 desktop VMs
4817V98*	4817V98*	VMware View Premier Bundle 10 Pack (with VI Ent) 10 desktop VMs
4817V99*	4817V99*	VMware View Premier Add-On 10 desktop VMs (Assumes existing ESX)
4817VA0*	4817VA0*	VMware View Premier Add-On 100 desktop VMs (Assumes existing ESX)
4817VA1*	4817VA1*	Upgrade VMware View Enterprise to Premier for 10 desktop VMs
4817VA2*	4817VA2*	Upgrade VMware View Enterprise to Premier for 100 desktop VMs
4817VA3*	4817VA3*	VMware View Manager 3 stand-alone for 100 desktop connections
4817VA4*	4817VA4*	VMware View Manager 3 stand alone for 10 desktop connections
4817VB4*	4817VB4*	VMware vSphere 4.0 Enterprise Accel Kit - 6 Processors License Only
4817VB6*	4817VB6*	VMware vCenter Mgmt Server 4.0 Heartbeat - 1 Instance License Only
4817VB8*	4817VB8*	VMware vCenter Srv 4.0 Availability Acc Kit -1 Instance License Only
4817T61*	4817T61*	VMware ESX Server 3i - 2 Sockets - 3 Year Subscription
4817S64*	4817S64*	Subscription Only VMware VDI Starter Kit - 10 VMs - 1 Year
4817S65*	4817S65*	Subscription Only VMware VDI Bundle - 100 VMs - 1 Year
4817S66*	4817S66*	Subscription Only VMware VDI Bundle - 10 Additional VMs - 1 Year
4817S67*	4817S67*	Subscription Only VMware VDM 2 Conn Broker - 100 VMs - 1 Year
4817S68*	4817S68*	Subscription Only VMware VDM 2 Conn Broker - 10 Addtl VMs - 1 Year
4817S71*	4817S71*	Subscription Only VMware Infrastructure Fdn - 2 Sockets - 1 Year
4817S72*	4817S72*	Subscription Only VMware Infrastructure Std - 2 Sockets - 1 Year
4817S73*	4817S73*	Subscription Only VMware Infrastructure Ent - 2 Sockets - 1 Year
4817S74*	4817S74*	Subscription Only VMware HA - 2 Sockets - 1 Year
4817S75*	4817S75*	Subscription Only VMware DRS - 2 Sockets - 1 Year
4817S76*	4817S76*	Subscription Only VMware VCMS - 2 Sockets - 1 Year
4817S77*	4817S77*	Subscription Only VMware VCMS Foundation - 2 Sockets - 1 Year
4817S78*	4817S78*	Subscription Only VMware VMotion w/Storage VMotion - 2 Socket - 1 Yr
4817S79*	4817S79*	Subscription Only VMware ESX Srvr 3i to Fdn Upgr - 2 Sockets - 1 Yr
4817S80*	4817S80*	Subscription Only VMware ESX Srvr 3i to Std Upgr - 2 Sockets - 1 Yr
4817S81*	4817S81*	Subscription Only VMware ESX Srvr 3i to Ent Upgr - 2 Sockets - 1 Yr
4817S82*	4817S82*	Subscription Only VCMS Fdn to VCMS Upgrade - 2 Sockets - 1 Year
4817S83*	4817S83*	Subscription Only VMware Fdn to Std Upgrade - 2 Sockets - 1 Year
4817S84*	4817S84*	Subscription Only VMware Fdn to Ent Upgrade - 2 Sockets - 1 Year
4817S85*	4817S85*	Subscription Only VMware Std to Ent Upgrade - 2 Sockets - 1 Year
4817S86*	4817S86*	Subscription Only VMware Infra Std HA Accel Kit - 4 Sockets - 1 Year
4817S87*	4817S87*	Subscription Only VMware Infra Fdn Accel Kit - 6 Sockets - 1 Year
4817S88*	4817S88*	Subscription Only VMware Infra Ent Accel Kit - 8 Sockets - 1 Year
4817S89*	4817S89*	Subscription Only VMware Site Recovery Manager - 1 Socket - 1 Year
4817S90*	4817S90*	Subscription Only VMware Lab Manager - 1 Socket - 1 Year
4817S91*	4817S91*	Subscription Only VMware Life Cycle Manager - 1 Socket - 1 Year
4817S92*	4817S92*	Subscription Only VMware Stage Manager - 1 Socket - 1 Year
4817S93*	4817S93*	Sub Only VMware View Starter Kit Bundle 10 desktop VMs - 1 Yr
4817S94*	4817S94*	Subscription Only VMware View Bundle for 100 desktop VMs - 1 Yr
4817S95*	4817S95*	Subscription Only VMware View Bundle for 10 desktop VMs - 1 Yr
4817S96*	4817S96*	Subscription Only VMware View Premier Bundle Starter Kit - 1 Yr
4817S97*	4817S97*	Subscription Only VMware View Premier Bundle 100 Pack - 1 Yr
4817S98*	4817S98*	Subscription Only VMware View Premier Bundle 10 Pack - 1 Yr
4817S99*	4817S99*	Sub Only VMware View Premier Desktop Add-On 10 desktop VMs - 1 Yr
4817SA0*	4817SA0*	Sub Only VMware View Premier Desktop Add-On 100 desktop VMs - 1 Yr
4817SA1*	4817SA1*	Subscription Only Upgrade VMware View Premier 10 desktop VMs - 1 Yr
4817SA2*	4817SA2*	Subscription Only Upgrade VMware View Premier 100 desktop VMs - 1 Yr
4817SA3*	4817SA3*	Subscription Only VMware View Mgr 3 stand-alone 100 desktops - 1 Yr
4817SA4*	4817SA4*	Subscription Only VMware View Mgr 3 stand-alone 10 desktop - 1 Yr
4817SB4*	4817SB4*	Sub Only VMware vSphere 4.0 Enterprise Accel Kit-6 Processors-1 Yr
4817SB6*	4817SB6*	Subscription Only VMware vCenter Srv 4.0 Heartbeat - 1 Instance-1 Yr

4817SB8*	4817SB8*	Sub Only VMware vCtr Srv 4.0 Availability Acc Kit-1 Instance-1 Yr
4817T64*	4817T64*	Subscription Only VMware VDI Starter Kit - 10 VMs - 3 Year
4817T65*	4817T65*	Subscription Only VMware VDI Bundle - 100 VMs - 3 Year
4817T66*	4817T66*	Subscription Only VMware VDI Bundle - 10 Additional VMs - 3 Year
4817T67*	4817T67*	Subscription Only VMware VDM 2 Conn Broker - 100 VMs - 3 Year
4817T68*	4817T68*	Subscription Only VMware VDM 2 Conn Broker - 10 Addtl VMs - 3 Year
4817T71*	4817T71*	Subscription Only VMware Infrastructure Fndn - 2 Sockets - 3 Year
4817T72*	4817T72*	Subscription Only VMware Infrastructure Std - 2 Sockets - 3 Year
4817T73*	4817T73*	Subscription Only VMware Infrastructure Ent - 2 Sockets - 3 Year
4817T74*	4817T74*	Subscription Only VMware HA - 2 Sockets - 3 Year
4817T75*	4817T75*	Subscription Only VMware DRS - 2 Sockets - 3 Year
4817T76*	4817T76*	Subscription Only VMware VCMS - 2 Sockets - 3 Year
4817T77*	4817T77*	Subscription Only VMware VCMS Foundation - 2 Sockets - 3 Year
4817T78*	4817T78*	Subscription Only VMware VMotion w/Storage VMotion - 2 Socket - 3 Yr
4817T79*	4817T79*	Subscription Only VMware ESX Srvr 3i to Fndn Upgr - 2 Sockets - 3 Yr
4817T80*	4817T80*	Subscription Only VMware ESX Srvr 3i to Std Upgr - 2 Sockets - 3 Yr
4817T81*	4817T81*	Subscription Only VMware ESX Srvr 3i to Ent Upgr - 2 Sockets - 3 Yr
4817T82*	4817T82*	Subscription Only VCMS Fndn to VCMS Upgrade - 2 Sockets - 3 Year
4817T83*	4817T83*	Subscription Only VMware Fndn to Std Upgrade - 2 Sockets - 3 Year
4817T84*	4817T84*	Subscription Only VMware Fndn to Ent Upgrade - 2 Sockets - 3 Year
4817T85*	4817T85*	Subscription Only VMware Std to Ent Upgrade - 2 Sockets - 3 Year
4817T86*	4817T86*	Subscription Only VMware Infra Std HA Accel Kit - 4 Sockets - 3 Year
4817T87*	4817T87*	Subscription Only VMware Infra Fdn Accel Kit - 6 Sockets - 3 Year
4817T88*	4817T88*	Subscription Only VMware Infra Ent Accel Kit - 8 Sockets - 3 Year
4817T89*	4817T89*	Subscription Only VMware Site Recovery Manager - 1 Socket - 3 Year
4817T90*	4817T90*	Subscription Only VMware Lab Manager - 1 Socket - 3 Year
4817T91*	4817T91*	Subscription Only VMware Life Cycle Manager - 1 Socket - 3 Year
4817T92*	4817T92*	Subscription Only VMware Stage Manager - 1 Socket - 3 Year
4817T93*	4817T93*	Sub Only VMware View Starter Kit Bundle 10 desktop VMs - 3 Yr
4817T94*	4817T94*	Subscription Only VMware View Bundle for 100 desktop VMs - 3 Yr
4817T95*	4817T95*	Subscription Only VMware View Bundle for 10 desktop VMs - 3 Yr
4817T96*	4817T96*	Subscription Only VMware View Premier Bundle Starter Kit - 3 Yr
4817T97*	4817T97*	Subscription Only VMware View Premier Bundle 100 Pack - 3 Yr
4817T98*	4817T98*	Subscription Only VMware View Premier Bundle 10 Pack - 3 Yr
4817T99*	4817T99*	Sub Only VMware View Premier Desktop Add-On 10 desktop VMs - 3 Yr
4817TA0*	4817TA0*	Sub Only VMware View Premier Desktop Add-On 100 desktop VMs - 3 Yr
4817TA1*	4817TA1*	Subscription Only Upgrade VMware View Premier 10 desktop VMs - 3 Yr
4817TA2*	4817TA2*	Subscription Only Upgrade VMware View Premier 100 desktop VMs - 3 Yr
4817TA3*	4817TA3*	Subscription Only VMware View Mgr 3 stand-alone 100 desktops - 3 Yr
4817TA4*	4817TA4*	Subscription Only VMware View Mgr 3 stand-alone 10 desktop - 3 Yr
4817TB4*	4817TB4*	Sub Only VMware vSphere 4.0 Enterprise Accel Kit-6 Processors-3 Yr
4817TB6*	4817TB6*	Subscription Only VMware vCenter Srv 4.0 Heartbeat - 1 Instance-3 Yr
4817TB8*	4817TB8*	Sub Only VMware vCtr Srv 4.0 Availability Acc Kit-1 Instance-3 Yr
4817U71*	4817U71*	Subscription Only VMware Infrastructure Fndn - 2 Sockets - 5 Year
4817U79*	4817U79*	Subscription Only VMware ESX Srvr 3i to Fndn Upgr - 2 Sockets - 5 Yr
4817U72*	4817U72*	Subscription Only VMware Infrastructure Std - 2 Sockets - 5 Year
4817U80*	4817U80*	Subscription Only VMware ESX Srvr 3i to Std Upgr - 2 Sockets - 5 Yr
4817U83*	4817U83*	Subscription Only VMware Fndn to Std Upgrade - 2 Sockets - 5 Year
4817U73*	4817U73*	Subscription Only VMware Infrastructure Ent - 2 Sockets - 5 Year
4817U81*	4817U81*	Subscription Only VMware ESX Srvr 3i to Ent Upgr - 2 Sockets - 5 Yr
4817U84*	4817U84*	Subscription Only VMware Fndn to Ent Upgrade - 2 Sockets - 5 Year
4817U85*	4817U85*	Subscription Only VMware Std to Ent Upgrade - 2 Sockets - 5 Year
4817U74*	4817U74*	Subscription Only VMware HA - 2 Sockets - 5 Year
4817U75*	4817U75*	Subscription Only VMware DRS - 2 Sockets - 5 Year
4817U76*	4817U76*	Subscription Only VMware VCMS - 2 Sockets - 5 Year
4817U82*	4817U82*	Subscription Only VCMS Fndn to VCMS Upgrade - 2 Sockets - 5 Year
4817U77*	4817U77*	Subscription Only VMware VCMS Foundation - 2 Sockets - 5 Year
4817U78*	4817U78*	Subscription Only VMware VMotion w/Storage VMotion - 2 Socket - 5 Yr
4817U87*	4817U87*	Subscription Only VMware Infra Fdn Accel Kit - 6 Sockets - 5 Year
4817U86*	4817U86*	Subscription Only VMware Infra Std HA Accel Kit - 4 Sockets - 5 Year
4817U88*	4817U88*	Subscription Only VMware Infra Ent Accel Kit - 8 Sockets - 5 Year
4817U89*	4817U89*	Subscription Only VMware Site Recovery Manager - 1 Socket - 5 Year
4817U90*	4817U90*	Subscription Only VMware Lab Manager - 1 Socket - 5 Year
4817U91*	4817U91*	Subscription Only VMware Life Cycle Manager - 1 Socket - 5 Year
4817U92*	4817U92*	Subscription Only VMware Stage Manager - 1 Socket - 5 Year
4817U93*	4817U93*	Sub Only VMware View Starter Kit Bundle 10 desktop VMs - 5 Yr
4817U94*	4817U94*	Subscription Only VMware View Bundle for 100 desktop VMs - 5 Yr
4817U95*	4817U95*	Subscription Only VMware View Bundle for 10 desktop VMs - 5 Yr
4817U96*	4817U96*	Subscription Only VMware View Premier Bundle Starter Kit - 5 Yr
4817U97*	4817U97*	Subscription Only VMware View Premier Bundle 100 Pack - 5 Yr
4817U98*	4817U98*	Subscription Only VMware View Premier Bundle 10 Pack - 5 Yr
4817U99*	4817U99*	Sub Only VMware View Premier Desktop Add-On 10 desktop VMs - 3 Yr
4817UA0*	4817UA0*	Sub Only VMware View Premier Desktop Add-On 100 desktop VMs - 5 Yr
4817UA1*	4817UA1*	Subscription Only Upgrade VMware View Premier 10 desktop VMs - 5 Yr
4817UA2*	4817UA2*	Subscription Only Upgrade VMware View Premier 100 desktop VMs - 5 Yr
4817UA3*	4817UA3*	Subscription Only VMware View Mgr 3 stand-alone 100 desktops - 5 Yr
4817UA4*	4817UA4*	Subscription Only VMware View Mgr 3 stand-alone 10 desktop - 5 Yr
4817UB4*	4817UB4*	Sub Only VMware vSphere 4.0 Enterprise Accel Kit-6 Processors-5 Yr
4817UB6*	4817UB6*	Subscription Only VMware vCenter Srv 4.0 Heartbeat - 1 Instance-5 Yr
4817UB8*	4817UB8*	Sub Only VMware vCtr Srv 4.0 Availability Acc Kit-1 Instance-5 Yr
4817Z14*	4817Z14*	VMware vSphere 4.0 Std to Adv Promotional Upgr - 1 Proc License Only
4817VE0	4817VE0	VMware vCenter Site Recovery Manager 4.1 - 25 VM Pack - License Only
4817VE1	4817VE1	VMware vSphere Midsize Acceleration Kit - 6 processors- License Only
4817TE0	4817TE0	Sub Only VMware vCenter Site Recovery Manager 4.1 - 25 VM Pack- 3 Yr
4817TE1	4817TE1	Sub Only VMware vSphere Midsize Acceleration Kit- 6 processors- 3 Yr
4817UE0	4817UE0	Sub Only VMware vCenter Site Recovery Manager 4.1 - 25 VM Pack- 5 Yr
4817UE1	4817UE1	Sub Only VMware vSphere Midsize Acceleration Kit- 6 processors- 5 Yr
4817SE0	4817SE0	Sub Only VMware vCenter Site Recovery Manager 4.1 - 25 VM Pack- 1 Yr
4817SE1	4817SE1	Sub Only VMware vSphere Midsize Acceleration Kit- 6 processors- 1 Yr
4817SE8*	4817SE8*	VMware vSphere 5 Std Acc Kit for 8 proc Lic & 1 Year Subs
4817SE9	4817SE9	Upg: VMware vSph 5 Ess to vSph 5 Std Acc Kit for 8 proc Lic & 1 Yr Subs
4817SF0	4817SF0	Upg: VMware vSph5EssPlus to vSph5Std AccKit for 8 proc Lic&1 Yr Subs
4817SF1	4817SF1	Upg: VMware vSph5 Ess to vSph5 EssPlusKit for 3 hosts Lic&1 Yr Subs
4817SF2*	4817SF2*	VMware vSphere 5 Ent Acc Kit for 6 proc Lic and 1 Year Subs
4817SF3	4817SF3	Upg: VMware vSph5 Ess to vSph5 Ent AccKit for 6 proc Lic & 1 Yr Subs
4817SF4	4817SF4	Upg: VMware vSph5EssPlus to vSph5EntAccKit for 6 proc Lic&1 Yr Subs
4817SF5*	4817SF5*	VMware vSph5 EntPlus AccKit for 6 proc Lic and 1 Yr Subs

4817SF6	4817SF6	Upg: VMware vSph5Ess to vSph5EntPlus AccKit for 6 proc Lic&1 Yr Subs
4817SF7	4817SF7	Upg:VMware vSph5EssPls to vSph5EntPlsAccKit for 6 proc Lic&1 Yr Subs
4817SF9	4817SF9	VMware vSph5 Ess Plus Bundle for 3 hosts Lic and 1 Year Subs
4817SG5*	4817SG5*	Upg: VMware vCenter SRM5 Std to Ent (25 VM Pack) Lic and 1 Year Subs
4817SG6*	4817SG6*	VMware vCenter Chargeback (25 VM Pack) License and 1 Year Subs
4817SG7*	4817SG7*	VMware vCenter CapacityIQ (25 VM Pack) License and 1 Year Subs
4817SG8	4817SG8	VMware vCloud Director (25 VM Pack) License and 1 Year Subscription
4817SG9	4817SG9	VMware vShield Edge 5 (25 VM Pack) License and 1 Year Subscription
4817SH0	4817SH0	Upg: VMware vCloud Dir to vShield Edge5 (25 VM Pack) Lic&1 Yr Subs
4817SH1	4817SH1	VMware vShield 5 Security Suite (25VM pack) Lic and 1 Year Subs
4817SH2	4817SH2	VMware vShield Endpoint 5 (25 VM Pack) Lic and 1 Year Subs
4817SH3	4817SH3	VMware vShield App 5 (25 VM Pack) License and 1 Year Subscription
4817SH4	4817SH4	Upg:VMware vShield Endpt5 to vShield App5 (25 VM Pack) Lic&1 Yr Subs
4817SH5	4817SH5	VMware vShield App 5 with Data Sec (25VM pack) Lic and 1 Year Subs
4817SH6	4817SH6	Upg: VMware vShd Endpt5 to vShdApp5w/DataSec (25 VMPk) Lic&1 Yr Subs
4817SH7	4817SH7	Upg: VMware vShd App5 to vShd App5 w/DataSec(25 VM Pk) Lic&1 Yr Subs
4817UE8*	4817UE8*	VMware vSphere 5 Std Acc Kit for 8 proc Lic & 5 Year Subs
4817UE9	4817UE9	Upg: VMware vSph 5 Ess to vSph 5 Std Acc Kit for 8 proc Lic & 5 Yr Subs
4817UF0	4817UF0	Upg: VMware vSph5EssPlus to vSph5Std AccKit for 8 proc Lic&5 Yr Subs
4817UF1	4817UF1	Upg: VMware vSph5 Ess to vSph5 EssPlusKit for 3 hosts Lic&5 Yr Subs
4817UF2*	4817UF2*	VMware vSphere 5 Ent Acc Kit for 6 proc Lic and 5 Year Subs
4817UF3	4817UF3	Upg: VMware vSph5 Ess to vSph5 Ent AccKit for 6 proc Lic & 5 Yr Subs
4817UF4	4817UF4	Upg: VMware vSph5EssPlus to vSph5EntAccKit for 6 proc Lic&5 Yr Subs
4817UF5*	4817UF5*	VMware vSph5 EntPlus AccKit for 6 proc Lic and 5 Yr Subs
4817UF6	4817UF6	Upg: VMware vSph5Ess to vSph5EntPlus AccKit for 6 proc Lic&5 Yr Subs
4817UF7	4817UF7	Upg:VMware vSph5EssPls to vSph5EntPlsAccKit for 6 proc Lic&5 Yr Subs
4817UF9	4817UF9	VMware vSph5 Ess Plus Bundle for 3 hosts Lic and 5 Year Subs
4817UG5*	4817UG5*	Upg: VMware vCenter SRM5 Std to Ent (25 VM Pack) Lic and 5 Year Subs
4817UG6*	4817UG6*	VMware vCenter Chargeback (25 VM Pack) License and 5 Year Subs
4817UG7*	4817UG7*	VMware vCenter CapacityIQ (25 VM Pack) License and 5 Year Subs
4817UG8	4817UG8	VMware vCloud Director (25 VM Pack) License and 5 Year Subscription
4817UG9	4817UG9	VMware vShield Edge 5 (25 VM Pack) License and 5 Year Subscription
4817UH0	4817UH0	Upg: VMware vCloud Dir to vShield Edge5 (25 VM Pack) Lic&5 Yr Subs
4817UH1	4817UH1	VMware vShield 5 Security Suite (25VM pack) Lic and 5 Year Subs
4817UH2	4817UH2	VMware vShield Endpoint 5 (25 VM Pack) Lic and 5 Year Subs
4817UH3	4817UH3	VMware vShield App 5 (25 VM Pack) License and 5 Year Subscription
4817UH4	4817UH4	Upg:VMware vShield Endpt5 to vShield App5 (25 VM Pack) Lic&5 Yr Subs
4817UH5	4817UH5	VMware vShield App 5 with Data Sec (25VM pack) Lic and 5 Year Subs
4817UH6	4817UH6	Upg: VMware vShd Endpt5 to vShdApp5w/DataSec (25 VMPk) Lic&5 Yr Subs
4817UH7	4817UH7	Upg: VMware vShd App5 to vShd App5 w/DataSec(25 VM Pk) Lic&5 Yr Subs
4817TE8*	4817TE8*	VMware vSphere 5 Std Acc Kit for 8 proc Lic & 3 Year Subs
4817TE9	4817TE9	Upg: VMware vSph 5 Ess to vSph 5 Std Acc Kit for 8 proc Lic & 3 Yr Subs
4817TF0	4817TF0	Upg: VMware vSph5EssPlus to vSph5Std AccKit for 8 proc Lic&3 Yr Subs
4817TF1	4817TF1	Upg: VMware vSph5 Ess to vSph5 EssPlusKit for 3 hosts Lic&3 Yr Subs
4817TF2*	4817TF2*	VMware vSphere 5 Ent Acc Kit for 6 proc Lic and 3 Year Subs
4817TF3	4817TF3	Upg: VMware vSph5 Ess to vSph5 Ent AccKit for 6 proc Lic & 3 Yr Subs
4817TF4	4817TF4	Upg: VMware vSph5EssPlus to vSph5EntAccKit for 6 proc Lic&3 Yr Subs
4817TF5*	4817TF5*	VMware vSph5 EntPlus AccKit for 6 proc Lic and 3 Yr Subs
4817TF6	4817TF6	Upg: VMware vSph5Ess to vSph5EntPlus AccKit for 6 proc Lic&3 Yr Subs
4817TF7	4817TF7	Upg:VMware vSph5EssPls to vSph5EntPlsAccKit for 6 proc Lic&3 Yr Subs
4817TF9	4817TF9	VMware vSph5 Ess Plus Bundle for 3 hosts Lic and 3 Year Subs
4817TG5*	4817TG5*	Upg: VMware vCenter SRM5 Std to Ent (25 VM Pack) Lic and 3 Year Subs
4817TG6*	4817TG6*	VMware vCenter Chargeback (25 VM Pack) License and 3 Year Subs
4817TG7*	4817TG7*	VMware vCenter CapacityIQ (25 VM Pack) License and 3 Year Subs
4817TG8	4817TG8	VMware vCloud Director (25 VM Pack) License and 3 Year Subscription
4817TG9	4817TG9	VMware vShield Edge 5 (25 VM Pack) License and 3 Year Subscription
4817TH0	4817TH0	Upg: VMware vCloud Dir to vShield Edge5 (25 VM Pack) Lic&3 Yr Subs
4817TH1	4817TH1	VMware vShield 5 Security Suite (25VM pack) Lic and 3 Year Subs
4817TH2	4817TH2	VMware vShield Endpoint 5 (25 VM Pack) Lic and 3 Year Subs
4817TH3	4817TH3	VMware vShield App 5 (25 VM Pack) License and 3 Year Subscription
4817TH4	4817TH4	Upg:VMware vShield Endpt5 to vShield App5 (25 VM Pack) Lic&3 Yr Subs
4817TH5	4817TH5	VMware vShield App 5 with Data Sec (25VM pack) Lic and 3 Year Subs
4817TH6	4817TH6	Upg: VMware vShd Endpt5 to vShdApp5w/DataSec (25 VMPk) Lic&3 Yr Subs
4817TH7	4817TH7	Upg: VMware vShd App5 to vShd App5 w/DataSec(25 VM Pk) Lic&3 Yr Subs
4817TH8	4817TH8	VMware View 5 Enterprise Add-on: 10 Pack, License and 3 Year Subs
4817TH9	4817TH9	VMware View 5 Enterprise Add-on: 100 Pack, License and 3 Year Subs
4817TJ0	4817TJ0	VMware View 5 Enterprise Bundle: 10 Pack, License and 3 Year Subs
4817TJ1	4817TJ1	VMware View 5 Enterprise Bundle: 100 Pack, License and 3 Year Subs
4817TJ2	4817TJ2	VMware View 5 Enterprise Bundle: 10 Pack, License and 3 Year Subs
4817TJ5	4817TJ5	VMware View 5 Premier Bundle: 10 Pack, License and 3 Year Subs
4817TJ8	4817TJ8	Upg: VMware View 5 Ent Add-on to Ent Bundle: 100 Pack, Lic&3 Yr Subs
4817TJ9	4817TJ9	Upg: VMware View 5 Ent Add-on to Ent Bundle: 10 Pack, Lic &3 Yr Subs
4817TK0	4817TK0	Upg: VMware View 5 Pre Add-on to Pre Bundle: 100 Pack, Lic&3 Yr Subs
4817TK1	4817TK1	Upg: VMware View 5 Pre Add-on to Pre Bundle: 10 Pack, Lic&3 Yr Subs
4817TK2	4817TK2	Upg: VMware View 5 Ent to Pre Bundle: 100 Pack, License & 3 Yr Subs
4817TK3	4817TK3	Upg: VMware View 5 Ent to Pre Bundle: 10 Pack, License & 3 Yr Subs
4817TK4	4817TK4	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Ess, Lic& 3 Yr Subs
4817TK5	4817TK5	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Fnd, Lic& 3 Yr Subs
4817TK6	4817TK6	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Std, Lic& 3 Yr Subs
4817UH8	4817UH8	VMware View 5 Enterprise Add-on: 10 Pack, License and 5 Year Subs
4817UH9	4817UH9	VMware View 5 Enterprise Add-on: 100 Pack, License and 5 Year Subs
4817UJ0	4817UJ0	VMware View 5 Enterprise Bundle: 10 Pack, License and 5 Year Subs
4817UJ1	4817UJ1	VMware View 5 Enterprise Bundle: 100 Pack, License and 5 Year Subs
4817UJ2	4817UJ2	VMware View 5 Enterprise Bundle: 10 Pack, License and 5 Year Subs
4817UJ5	4817UJ5	VMware View 5 Premier Bundle: 10 Pack, License and 5 Year Subs
4817UJ8	4817UJ8	Upg: VMware View 5 Ent Add-on to Ent Bundle: 100 Pack, Lic&5 Yr Subs
4817UJ9	4817UJ9	Upg: VMware View 5 Ent Add-on to Ent Bundle: 10 Pack, Lic &5 Yr Subs
4817UK0	4817UK0	Upg: VMware View 5 Pre Add-on to Pre Bundle: 100 Pack, Lic&5 Yr Subs
4817UK1	4817UK1	Upg: VMware View 5 Pre Add-on to Pre Bundle: 10 Pack, Lic&5 Yr Subs
4817UK2	4817UK2	Upg: VMware View 5 Ent to Pre Bundle: 100 Pack, License & 5 Yr Subs
4817UK3	4817UK3	Upg: VMware View 5 Ent to Pre Bundle: 10 Pack, License & 5 Yr Subs
4817UK4	4817UK4	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Ess, Lic& 5 Yr Subs
4817UK5	4817UK5	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Fnd, Lic& 5 Yr Subs
4817UK6	4817UK6	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Std, Lic& 5 Yr Subs
4817SH8	4817SH8	VMware View 5 Enterprise Add-on: 10 Pack, License and 1 Year Subs
4817SH9	4817SH9	VMware View 5 Enterprise Add-on: 100 Pack, License and 1 Year Subs
4817SJ0	4817SJ0	VMware View 5 Enterprise Bundle: 10 Pack, License and 1 Year Subs

4817SJ1	4817SJ1	VMware View 5 Enterprise Bundle: 100 Pack, License and 1 Year Subs
4817SJ2	4817SJ2	VMware View 5 Enterprise Bundle: 10 Pack, License and 1 Year Subs
4817SJ5	4817SJ5	VMware View 5 Premier Bundle: 10 Pack, License and 1 Year Subs
4817SJ8	4817SJ8	Upg: VMware View 5 Ent Add-on to Ent Bundle: 100 Pack, Lic&1 Yr Subs
4817SJ9	4817SJ9	Upg: VMware View 5 Ent Add-on to Ent Bundle: 10 Pack, Lic &1 Yr Subs
4817SK0	4817SK0	Upg: VMware View 5 Pre Add-on to Pre Bundle: 100 Pack, Lic&1 Yr Subs
4817SK1	4817SK1	Upg: VMware View 5 Pre Add-on to Pre Bundle: 10 Pack, Lic&1 Yr Subs
4817SK2	4817SK2	Upg: VMware View 5 Ent to Pre Bundle: 100 Pack, License & 1 Yr Subs
4817SK3	4817SK3	Upg: VMware View 5 Ent to Pre Bundle: 10 Pack, License & 1 Yr Subs
4817SK4	4817SK4	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Ess, Lic& 1 Yr Subs
4817SK5	4817SK5	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Fnd, Lic& 1 Yr Subs
4817SK6	4817SK6	VMw vSph Storage Appliance Add-on for vCtr Srv 5 Std, Lic& 1 Yr Subs
00Y9880	00Y9880	VMware vCloud Networking & Security Std (25 VM Pack), Lic& 1 Yr Subs
00Y9881	00Y9881	VMware vCloud Networking & Security Adv (25 VM Pack), Lic& 1 Yr Subs
00Y9882	00Y9882	VMware vSphere 5 Standard w/Operations Management, Lic and 1 Yr Subs
00Y9883	00Y9883	VMware vSph 5 Std w/Operations Mgmt Acc Kit - 6 procs, Lic&1Yr Subs
00Y9884	00Y9884	Upg: VMware vSph 5 Std to vSph 5 Std w/Ops Mgmt-1 Proc, Lic&1Yr Subs
00Y9898	00Y9898	VMware vCloud Networking & Security Std (25 VM Pack), Lic& 3 Yr Subs
00Y9899	00Y9899	VMware vCloud Networking & Security Adv (25 VM Pack), Lic& 3 Yr Subs
00Y9900	00Y9900	VMware vSphere 5 Standard w/Operations Management, Lic and 3 Yr Subs
00Y9901	00Y9901	VMware vSph 5 Std w/Operations Mgmt Acc Kit - 6 procs, Lic&3Yr Subs
00Y9902	00Y9902	Upg: VMware vSph 5 Std to vSph 5 Std w/Ops Mgmt-1 Proc, Lic&3Yr Subs
00Y9916	00Y9916	VMware vCloud Networking & Security Std (25 VM Pack), Lic& 5 Yr Subs
00Y9917	00Y9917	VMware vCloud Networking & Security Adv (25 VM Pack), Lic& 5 Yr Subs
00Y9918	00Y9918	VMware vSphere 5 Standard w/Operations Management, Lic and 5 Yr Subs
00Y9919	00Y9919	VMware vSph 5 Std w/Operations Mgmt Acc Kit - 6 procs, Lic&5Yr Subs
00Y9920	00Y9920	Upg: VMware vSph 5 Std to vSph 5 Std w/Ops Mgmt-1 Proc, Lic&5Yr Subs
00AJ602	00AJ602	VMware vSOM Standard for 1 processor, Lic & 1 Yr Subs
00AJ603	00AJ603	Upg: VMware vSphere 5 Std to vSOM Std for 1 proc Promo, Lic&1Yr Subs
00AJ604	00AJ604	VMware vSOM Enterprise for 1 processor, Lic & 1 Yr Subs
00AJ605	00AJ605	Upg: VMware vSphere 5 Std to vSOM Ent for 1 proc Promo, Lic&1Yr Subs
00AJ606	00AJ606	Upg: VMware vSphere 5 Ent to vSOM Ent for 1 proc Promo, Lic&1Yr Subs
00AJ607	00AJ607	Upg: VMware vSOM Std to vSOM Ent for 1 proc, Lic & 1 Yr Subs
00AJ608	00AJ608	VMware vSOM Enterprise Plus for 1 processor, Lic & 1 Yr Subs
00AJ609	00AJ609	Upg: VMware vSph 5 Std to vSOM EntPI for 1 proc Promo, Lic&1Yr Subs
00AJ610	00AJ610	Upg: VMware vSph 5 Ent to vSOM EntPI for 1 proc Promo, Lic&1Yr Subs
00AJ611	00AJ611	Upg: VMware vSph 5 EntPI to vSOM EntPI for 1 proc Promo, Lic&1YrSubs
00AJ612	00AJ612	Upg: VMware vSOM Std to vSOM Ent Plus for 1 proc, Lic & 1 Yr Subs
00AJ613	00AJ613	Upg: VMware vSOM Ent to vSOM Ent Plus for 1 proc, Lic & 1 Yr Subs
00AJ614	00AJ614	VMware vSOM Standard Acc Kit for 6 processors Promo, Lic&1Yr Subs
00AJ615	00AJ615	VMware vSOM Enterprise Acc Kit for 6 processors Promo, Lic&1Yr Subs
00AJ616	00AJ616	VMware vSOM Ent Plus Acc Kit for 6 processors Promo, Lic&1Yr Subs
00AJ617	00AJ617	Upg: VMware vSOM Std to vCloud Suite 5 Adv, Lic & 1 Yr Subs
00AJ618	00AJ618	Upg: VMware vSOM Ent to vCloud Suite 5 Adv, Lic & 1 Yr Subs
00AJ619	00AJ619	Upg: VMware vSOM Ent Plus to vCloud Suite 5 Adv, Lic & 1 Yr Subs
00AJ620	00AJ620	Upg: VMware vSOM Std to vCloud Suite 5 Ent, Lic & 1 Yr Subs
00AJ621	00AJ621	Upg: VMware vSOM Ent to vCloud Suite 5 Ent, Lic & 1 Yr Subs
00AJ622	00AJ622	Upg: VMware vSOM Ent Plus to vCloud Suite 5 Ent, Lic & 1 Yr Subs
00AJ625	00AJ625	VMware vSOM Standard for 1 processor, Lic & 3 Yr Subs
00AJ626	00AJ626	Upg: VMware vSphere 5 Std to vSOM Std for 1 proc Promo, Lic&3Yr Subs
00AJ627	00AJ627	VMware vSOM Enterprise for 1 processor, Lic & 3 Yr Subs
00AJ628	00AJ628	Upg: VMware vSphere 5 Std to vSOM Ent for 1 proc Promo, Lic&3Yr Subs
00AJ629	00AJ629	Upg: VMware vSphere 5 Ent to vSOM Ent for 1 proc Promo, Lic&3Yr Subs
00AJ630	00AJ630	Upg: VMware vSOM Std to vSOM Ent for 1 proc, Lic & 3 Yr Subs
00AJ631	00AJ631	VMware vSOM Enterprise Plus for 1 processor, Lic & 3 Yr Subs
00AJ632	00AJ632	Upg: VMware vSph 5 Std to vSOM EntPI for 1 proc Promo, Lic&3Yr Subs
00AJ633	00AJ633	Upg: VMware vSph 5 Ent to vSOM EntPI for 1 proc Promo, Lic&3Yr Subs
00AJ634	00AJ634	Upg: VMware vSph 5 EntPI to vSOM EntPI for 1 proc Promo, Lic&3YrSubs
00AJ635	00AJ635	Upg: VMware vSOM Std to vSOM Ent Plus for 1 proc, Lic & 3 Yr Subs
00AJ636	00AJ636	Upg: VMware vSOM Ent to vSOM Ent Plus for 1 proc, Lic & 3 Yr Subs
00AJ637	00AJ637	VMware vSOM Standard Acc Kit for 6 processors Promo, Lic&3Yr Subs
00AJ638	00AJ638	VMware vSOM Enterprise Acc Kit for 6 processors Promo, Lic&3Yr Subs
00AJ639	00AJ639	VMware vSOM Ent Plus Acc Kit for 6 processors Promo, Lic&3Yr Subs
00AJ640	00AJ640	Upg: VMware vSOM Std to vCloud Suite 5 Advanced, Lic & 3 Yr Subs
00AJ641	00AJ641	Upg: VMware vSOM Ent to vCloud Suite 5 Advanced, Lic & 3 Yr Subs
00AJ642	00AJ642	Upg: VMware vSOM Ent Plus to vCloud Suite 5 Advanced, Lic & 3 Yr Subs
00AJ643	00AJ643	Upg: VMware vSOM Std to vCloud Suite 5 Ent, Lic & 3 Yr Subs
00AJ644	00AJ644	Upg: VMware vSOM Ent to vCloud Suite 5 Ent, Lic & 3 Yr Subs
00AJ645	00AJ645	Upg: VMware vSOM Ent Plus to vCloud Suite 5 Ent, Lic & 3 Yr Subs
00AJ648	00AJ648	VMware vSOM Standard for 1 processor, Lic & 5 Yr Subs
00AJ649	00AJ649	Upg: VMware vSphere 5 Std to vSOM Std for 1 proc Promo, Lic&5Yr Subs
00AJ650	00AJ650	VMware vSOM Enterprise for 1 processor, Lic & 5 Yr Subs
00AJ651	00AJ651	Upg: VMware vSphere 5 Std to vSOM Ent for 1 proc Promo, Lic&5Yr Subs
00AJ652	00AJ652	Upg: VMware vSphere 5 Ent to vSOM Ent for 1 proc Promo, Lic&5Yr Subs
00AJ653	00AJ653	Upg: VMware vSOM Std to vSOM Ent for 1 proc, Lic & 5 Yr Subs
00AJ654	00AJ654	VMware vSOM Enterprise Plus for 1 processor, Lic & 5 Yr Subs
00AJ655	00AJ655	Upg: VMware vSph 5 Std to vSOM EntPI for 1 proc Promo, Lic&5Yr Subs
00AJ656	00AJ656	Upg: VMware vSph 5 Ent to vSOM EntPI for 1 proc Promo, Lic&5Yr Subs
00AJ657	00AJ657	Upg: VMware vSph 5 EntPI to vSOM EntPI for 1 proc Promo, Lic&5YrSubs
00AJ658	00AJ658	Upg: VMware vSOM Std to vSOM Ent Plus for 1 proc, Lic & 5 Yr Subs
00AJ659	00AJ659	Upg: VMware vSOM Ent to vSOM Ent Plus for 1 proc, Lic & 5 Yr Subs
00AJ660	00AJ660	VMware vSOM Standard Acc Kit for 6 processors Promo, Lic&5Yr Subs
00AJ661	00AJ661	VMware vSOM Enterprise Acc Kit for 6 processors Promo, Lic&5Yr Subs
00AJ662	00AJ662	VMware vSOM Ent Plus Acc Kit for 6 processors Promo, Lic&5Yr Subs
00AJ663	00AJ663	Upg: VMware vSOM Std to vCloud Suite 5 Advanced, Lic & 5 Yr Subs
00AJ664	00AJ664	Upg: VMware vSOM Ent to vCloud Suite 5 Advanced, Lic & 5 Yr Subs
00AJ665	00AJ665	Upg: VMware vSOM Ent Plus to vCloud Suite 5 Advanced, Lic & 5 Yr Subs
00AJ666	00AJ666	Upg: VMware vSOM Std to vCloud Suite 5 Ent, Lic & 5 Yr Subs
00AJ667	00AJ667	Upg: VMware vSOM Ent to vCloud Suite 5 Ent, Lic & 5 Yr Subs
00AJ668	00AJ668	Upg: VMware vSOM Ent Plus to vCloud Suite 5 Ent, Lic & 5 Yr Subs
00AJ747	00AJ747	Upg: VMware vSph5Ess to vSOM Std Acc Kit 6 proc Promo, Lic&1YrSubs
00AJ748	00AJ748	Upg: VMware vSph5EssPI to vSOM Std Acc Kit 6 proc Promo, Lic&1YrSubs
00AJ749	00AJ749	Upg: VMware vSph5Ess to vSOM Ent Acc Kit 6 proc Promo, Lic&1YrSubs
00AJ750	00AJ750	Upg: VMware vSph5EssPI to vSOM Ent Acc Kit 6 proc Promo, Lic&1YrSubs
00AJ751	00AJ751	Upg: VMware vSph5Ess to vSOMEntPI AccKit 6 proc Promo, Lic&1YrSubs
00AJ752	00AJ752	Upg: VMware vSph5EssPI to vSOMEntPI AccKit 6 proc Promo, Lic&1YrSubs
00AJ757*	00AJ757*	Upg: VMware vSph5 Ess to vSOM Ent Accel Kit 6 proc, Lic&1YrSubs

00AJ758*	00AJ758*	Upg: VMware vSph5 Ess Plus to vSOM Ent Accel Kit 6 proc, Lic&1YrSubs
00AJ760*	00AJ760*	Upg: VMware vSph5 Ess to vSOM EntPI Accel Kit 6 proc, Lic&1YrSubs
00AJ761*	00AJ761*	Upg: VMware vSph5 EssPI to vSOM EntPI Accel Kit 6 proc, Lic&1YrSubs
00AJ762	00AJ762	Upg: VMware vSph5Ess to vSOM Std Acc Kit 6 proc Promo, Lic&3YrSubs
00AJ763	00AJ763	Upg: VMware vSph5EssPI to vSOM Std Acc Kit 6 proc Promo, Lic&3YrSubs
00AJ764	00AJ764	Upg: VMware vSph5Ess to vSOM Ent Acc Kit 6 proc Promo, Lic&3YrSubs
00AJ765	00AJ765	Upg: VMware vSph5EssPI to vSOM Ent Acc Kit 6 proc Promo, Lic&3YrSubs
00AJ766	00AJ766	Upg: VMware vSph5Ess to vSOMEntPI AccKit 6 proc Promo, Lic&3YrSubs
00AJ767	00AJ767	Upg: VMware vSph5EssPI to vSOMEntPI AccKit 6 proc Promo, Lic&3YrSubs
00AJ772*	00AJ772*	Upg: VMware vSph5 Ess to vSOM Ent Accel Kit 6 proc, Lic&3YrSubs
00AJ773*	00AJ773*	Upg: VMware vSph5 Ess Plus to vSOM Ent Accel Kit 6 proc, Lic&3YrSubs
00AJ775*	00AJ775*	Upg: VMware vSph5 Ess to vSOM EntPI Accel Kit 6 proc, Lic&3YrSubs
00AJ776*	00AJ776*	Upg: VMware vSph5 EssPI to vSOM EntPI Accel Kit 6 proc, Lic&3YrSubs
00AJ777	00AJ777	Upg: VMware vSph5Ess to vSOM Std Acc Kit 6 proc Promo, Lic&5YrSubs
00AJ778	00AJ778	Upg: VMware vSph5EssPI to vSOM Std Acc Kit 6 proc Promo, Lic&5YrSubs
00AJ779	00AJ779	Upg: VMware vSph5Ess to vSOM Ent Acc Kit 6 proc Promo, Lic&5YrSubs
00AJ780	00AJ780	Upg: VMware vSph5EssPI to vSOM Ent Acc Kit 6 proc Promo, Lic&5YrSubs
00AJ781	00AJ781	Upg: VMware vSph5Ess to vSOMEntPI AccKit 6 proc Promo, Lic&5YrSubs
00AJ782	00AJ782	Upg: VMware vSph5EssPI to vSOMEntPI AccKit 6 proc Promo, Lic&5YrSubs
00AJ787*	00AJ787*	Upg: VMware vSph5 Ess to vSOM Ent Accel Kit 6 proc, Lic&5YrSubs
00AJ788*	00AJ788*	Upg: VMware vSph5 Ess Plus to vSOM Ent Accel Kit 6 proc, Lic&5YrSubs
00AJ790*	00AJ790*	Upg: VMware vSph5 Ess to vSOM EntPI Accel Kit 6 proc, Lic&5YrSubs
00AJ791*	00AJ791*	Upg: VMware vSph5 EssPI to vSOM EntPI Accel Kit 6 proc, Lic&5YrSubs
00AJ838	00AJ838	Upg: VMware vSphere 5 Std to vSOM Std for 1 proc, Lic&1Yr Subs
00AJ839	00AJ839	Upg: VMware vSphere 5 Std to vSOM Ent for 1 proc, Lic&1Yr Subs
00AJ840	00AJ840	Upg: VMware vSphere 5 Ent to vSOM Ent for 1 proc, Lic&1Yr Subs
00AJ841	00AJ841	Upg: VMware vSph 5 Std to vSOM EntPI for 1 proc, Lic&1Yr Subs
00AJ842	00AJ842	Upg: VMware vSph 5 Ent to vSOM EntPI for 1 proc, Lic&1Yr Subs
00AJ843	00AJ843	Upg: VMware vSph 5 EntPI to vSOM EntPI for 1 proc, Lic&1YrSubs
00AJ844	00AJ844	Upg: VMware vSphere 5 Std to vSOM Std for 1 proc, Lic&3Yr Subs
00AJ845	00AJ845	Upg: VMware vSphere 5 Std to vSOM Ent for 1 proc, Lic&3Yr Subs
00AJ846	00AJ846	Upg: VMware vSphere 5 Ent to vSOM Ent for 1 proc, Lic&3Yr Subs
00AJ847	00AJ847	Upg: VMware vSph 5 Std to vSOM EntPI for 1 proc, Lic&3Yr Subs
00AJ848	00AJ848	Upg: VMware vSph 5 Ent to vSOM EntPI for 1 proc, Lic&3Yr Subs
00AJ849	00AJ849	Upg: VMware vSph 5 EntPI to vSOM EntPI for 1 proc, Lic&3YrSubs
00AJ850	00AJ850	Upg: VMware vSphere 5 Std to vSOM Std for 1 proc, Lic&5Yr Subs
00AJ851	00AJ851	Upg: VMware vSphere 5 Std to vSOM Ent for 1 proc, Lic&5Yr Subs
00AJ852	00AJ852	Upg: VMware vSphere 5 Ent to vSOM Ent for 1 proc, Lic&5Yr Subs
00AJ853	00AJ853	Upg: VMware vSph 5 Std to vSOM EntPI for 1 proc, Lic&5Yr Subs
00AJ854	00AJ854	Upg: VMware vSph 5 Ent to vSOM EntPI for 1 proc, Lic&5Yr Subs
00AJ855	00AJ855	Upg: VMware vSph 5 EntPI to vSOM EntPI for 1 proc, Lic&5YrSubs
00D9926*	00D9926*	Upg: VMw View5EntBdl to Hrzn View Std Ed 10 Pk ConcUsers Lic&1YrSubs
00D9931*	00D9931*	VMware Horizon Suite 10 Pack Named Users, Lic&1Yr Subscription
00D9932*	00D9932*	Upg: VMw Hrzn Mirage to Hrzn Suite 10 Pk Named Users Lic&1Yr Subs
00D9933*	00D9933*	Upg: VMw Hrzn Workspace to Hrzn Suite 10 Pk Named Users Lic&1Yr Subs
00D9934*	00D9934*	VMware Horizon Suite 100 Pack NamedUsers, Lic&1Yr Subscription
00D9935*	00D9935*	Upg: VMw Hrzn Mirage to Hrzn Suite 100 Pk Named Users Lic&1Yr Subs
00D9936*	00D9936*	Upg: VMw Hrzn Workspace to Hrzn Suite 100Pk Named Users Lic&1Yr Subs
00D9937*	00D9937*	Upg: VMw View5EntBdl to Hrzn View Std Ed 10 Pk ConcUsers Lic&3YrSubs
00D9942*	00D9942*	VMware Horizon Suite 10 Pack Named Users, Lic&3Yr Subscription
00D9943*	00D9943*	Upg: VMw Hrzn Mirage to Hrzn Suite 10 Pk Named Users Lic&3Yr Subs
00D9944*	00D9944*	Upg: VMw Hrzn Workspace to Hrzn Suite 10 Pk Named Users Lic&3Yr Subs
00D9945*	00D9945*	VMware Horizon Suite 100 Pack NamedUsers, Lic&3Yr Subscription
00D9946*	00D9946*	Upg: VMw Hrzn Mirage to Hrzn Suite 100 Pk Named Users Lic&3Yr Subs
00D9947*	00D9947*	Upg: VMw Hrzn Workspace to Hrzn Suite 100Pk Named Users Lic&3Yr Subs
00D9948*	00D9948*	Upg: VMw View5EntBdl to Hrzn View Std Ed 10 Pk ConcUsers Lic&5YrSubs
00D9953*	00D9953*	VMware Horizon Suite 10 Pack Named Users, Lic&5Yr Subscription
00D9954*	00D9954*	Upg: VMw Hrzn Mirage to Hrzn Suite 10 Pk Named Users Lic&5Yr Subs
00D9955*	00D9955*	Upg: VMw Hrzn Workspace to Hrzn Suite 10 Pk Named Users Lic&5Yr Subs
00D9956*	00D9956*	VMware Horizon Suite 100 Pack NamedUsers, Lic&5Yr Subscription
00D9957*	00D9957*	Upg: VMw Hrzn Mirage to Hrzn Suite 100 Pk Named Users Lic&5Yr Subs
00D9958*	00D9958*	Upg: VMw Hrzn Workspace to Hrzn Suite 100Pk Named Users Lic&5Yr Subs
00D9992*	00D9992*	Upg: VMw Hrzn View 5 Add-on to Std Ed 100 Pack ConcUsers Lic&1YrSubs
00D9993*	00D9993*	Upg: VMw Hrzn View 5 Add-on to Std Ed 100 Pack ConcUsers Lic&3YrSubs
00D9994*	00D9994*	Upg: VMw Hrzn View 5 Add-on to Std Ed 100 Pack ConcUsers Lic&5YrSubs
00FE700	00FE700	VMware Horizon Suite 10 Pack Named Users Promo, Lic&1Yr Subscription
00FE701	00FE701	VMware Horizon Suite 100 Pack NamedUsers Promo, Lic&1Yr Subscription
00FE702*	00FE702*	VMware Horizon Suite 10 Pack Concurrent Users, Lic&1Yr Subscription
00FE703*	00FE703*	Upg: VMwHrznView5Bdl to HrznSuite 10Pk ConcurrentUsers, Lic&1YrSubs
00FE704*	00FE704*	VMware Horizon Suite 100 Pack Concurrent Users, Lic&1Yr Subscription
00FE705*	00FE705*	Upg: VMwHrznView5Bdl to HrznSuite 100Pk ConcurrentUsers, Lic&1YrSubs
00FE706	00FE706	VMware Horizon Suite 10 Pack Concurrent Users Promo, Lic&1Yr Subs
00FE707	00FE707	Upg: VMwHrznView5Bdl to HrznSuite 10Pk ConcUsers Promo, Lic&1YrSubs
00FE708	00FE708	VMware Horizon Suite 100 Pack ConcurrentUsers Promo, Lic&1Yr Subs
00FE709	00FE709	Upg: VMwHrznView5Bdl to HrznSuite 100Pk ConcUsers Promo, Lic&1YrSubs
00FE710	00FE710	VMware Horizon Suite 10 Pack Named Users Promo, Lic&3Yr Subscription
00FE711	00FE711	VMware Horizon Suite 100 Pack NamedUsers Promo, Lic&3Yr Subscription
00FE712*	00FE712*	VMware Horizon Suite 10 Pack Concurrent Users, Lic&3Yr Subscription
00FE713*	00FE713*	Upg: VMwHrznView5Bdl to HrznSuite 10Pk ConcurrentUsers, Lic&3YrSubs
00FE714*	00FE714*	VMware Horizon Suite 100 Pack Concurrent Users, Lic&3Yr Subscription
00FE715*	00FE715*	Upg: VMwHrznView5Bdl to HrznSuite 100Pk ConcurrentUsers, Lic&3YrSubs
00FE716	00FE716	VMware Horizon Suite 10 Pack Concurrent Users Promo, Lic&3Yr Subs
00FE717	00FE717	Upg: VMwHrznView5Bdl to HrznSuite 10Pk ConcUsers Promo, Lic&3YrSubs
00FE718	00FE718	VMware Horizon Suite 100 Pack ConcurrentUsers Promo, Lic&3Yr Subs
00FE719	00FE719	Upg: VMwHrznView5Bdl to HrznSuite 100Pk ConcUsers Promo, Lic&3YrSubs
00FE720	00FE720	VMware Horizon Suite 10 Pack Named Users Promo, Lic&5Yr Subscription
00FE721	00FE721	VMware Horizon Suite 100 Pack NamedUsers Promo, Lic&5Yr Subscription
00FE722*	00FE722*	VMware Horizon Suite 10 Pack Concurrent Users, Lic&5Yr Subscription
00FE723*	00FE723*	Upg: VMwHrznView5Bdl to HrznSuite 10Pk ConcurrentUsers, Lic&5YrSubs
00FE724*	00FE724*	VMware Horizon Suite 100 Pack Concurrent Users, Lic&5Yr Subscription
00FE725*	00FE725*	Upg: VMwHrznView5Bdl to HrznSuite 100Pk ConcurrentUsers, Lic&5YrSubs
00FE726	00FE726	VMware Horizon Suite 10 Pack Concurrent Users Promo, Lic&5Yr Subs
00FE727	00FE727	Upg: VMwHrznView5Bdl to HrznSuite 10Pk ConcUsers Promo, Lic&5YrSubs
00FE728	00FE728	VMware Horizon Suite 100 Pack ConcurrentUsers Promo, Lic&5Yr Subs
00FE729	00FE729	Upg: VMwHrznView5Bdl to HrznSuite 100Pk ConcUsers Promo, Lic&5YrSubs
00FM860*	00FM860*	VMware vSph5 Ess Plus Kit w/VSA for 3 hosts Lic and 1 Year Subs
00FM884*	00FM884*	VMware vSph5 Ess Plus Kit w/VSA for 3 hosts Lic and 3 Year Subs

00FM908*	00FM908*	VMware vSph5 Ess Plus Kit w/VSA for 3 hosts Lic and 5 Year Subs
00WD000	00WD000	VMware vSphere 6 Standard for 1 processor Lic&1Yr S&S
00WD001	00WD001	VMware vSphere 6 Enterprise for 1 processor Lic&1Yr S&S
00WD002	00WD002	VMware vSphere 6 Enterprise Plus for 1 processor Lic&1Yr S&S
00WD003	00WD003	VMware vSphere 6 for Desktop (100 VM Pack) Lic&1Yr S&S
00WD004	00WD004	VMware vSphere 6 Remote Off Branch Off Std (25 VM Pk) Lic&1Yr S&S
00WD005	00WD005	VMware vSphere 6 Remote Off Branch Off Adv (25 VM Pk) Lic&1Yr S&S
00WD006	00WD006	VMware vSphere 6 Essentials Plus Kit for 3 hosts Lic&1Yr S&S
00WD009	00WD009	VMware vSph 6 w/Operations Mgmt Standard for 1 proc Lic&1Yr S&S
00WD010	00WD010	VMware vSph 6 w/Operations Mgmt Enterprise for 1 proc Lic&1Yr S&S
00WD011	00WD011	VMware vSph 6 w/Operations Mgmt Ent Plus for 1 proc Lic&1Yr S&S
00WD012	00WD012	VMware vSph6 w/Operations Mgmt Std Acc Kit for 6 procs Lic&1Yr S&S
00WD013	00WD013	VMware vSph6 w/Operations Mgmt Ent Acc Kit for 6 procs Lic&1Yr S&S
00WD014	00WD014	VMware vSph6 w/Operations Mgmt Ent Pl Acc Kit for 6 procs Lic&1Yr S&S
00WD015	00WD015	VMware vCenter Srv 6 Std for vSphere 6 (Per Instance) Lic&1Yr S&S
00WD016	00WD016	VMware vCenter Srv 6 Fdn for vSphere 6 (Per Instance) Lic&1Yr S&S
00WD017	00WD017	VMware vCenter Site Rec Mgr 6 Standard (25 VM Pack) Lic&1Yr S&S
00WD018	00WD018	VMware vCenter Site Rec Mgr 6 Enterprise (25 VM Pack) Lic&1Yr S&S
00WD019	00WD019	VMware vRealize Operations 6 Standard (25 VM Pack) Lic&1Yr S&S
00WD020	00WD020	VMware vRealize Operations 6 Advanced (25 OSI Pack) Lic&1Yr S&S
00WD021	00WD021	VMware vRealize Operations 6 Enterprise (25 OSI Pack) Lic&1Yr S&S
00WD022	00WD022	VMware vRealize Operations Insight 6 per CPU Lic&1Yr S&S
00WD023	00WD023	VMware vRealize Operations for Horizon: 10 Conc User Pk Lic&1Yr S&S
00WD024	00WD024	VMware vRealize Operations for Horizon: 100 Conc User Pk Lic&1Yr S&S
00WD025	00WD025	VMware vRealize Ops 6 Public Cld Ext Adv (25 OSI Pk) Lic&1Yr S&S
00WD026	00WD026	VMware vRealize Ops 6 Public Cld Ext Ent (25 OSI Pk) Lic&1Yr S&S
00WD027	00WD027	VMware vRealize Log Insight Per CPU Lic&1Yr S&S
00WD028	00WD028	VMware vRealize Suite 6 Advanced (25 OSI Pack) Lic&1Yr S&S
00WD029	00WD029	VMware vRealize Suite 6 Enterprise (25 OSI Pack) Lic&1Yr S&S
00WD030	00WD030	VMware vRealize Business 6 Standard (25 OSI Pack) Lic&1Yr S&S
00WD031	00WD031	VMware vRealize Business 6 Standard (Per CPU) Lic&1Yr S&S
00WD032	00WD032	VMware vRealize Business 8 Advanced (Per CPU) Lic&1Yr S&S
00WD033	00WD033	VMware vRealize Business 8 Enterprise (Per CPU) Lic&1Yr S&S
00WD034	00WD034	VMware vRealize Automation 6 Advanced (25 OSI Pack) Lic&1Yr S&S
00WD035	00WD035	VMware vRealize Automation 6 Enterprise (25 OSI Pack) Lic&1Yr S&S
00WD036	00WD036	VMware vRealize Automation Adv Public Cld Ext (25OSIPk) Lic&1Yr S&S
00WD037	00WD037	VMware vRealize Automation Ent Public Cld Ext (25OSIPk) Lic&1Yr S&S
00WD038	00WD038	VMware vRealize Automation Desktop (25 Pack) Lic&1Yr S&S
00WD039	00WD039	VMware vCloud Suite 6 Standard Lic&1Yr S&S
00WD040	00WD040	VMware vCloud Suite 6 Advanced Lic&1Yr S&S
00WD041	00WD041	VMware vCloud Suite 6 Enterprise Lic&1Yr S&S
00WD042	00WD042	VMware Virtual SAN 6 for 1 processor Lic&1Yr S&S
00WD043	00WD043	VMware Virtual SAN 6 for Desktop 100 Conc User Pack Lic&1Yr S&S
00WD044	00WD044	VMware Virt SAN 6 All Flash for Dsktp Add-On 10 CCU Pk Lic&1Yr S&S
00WD045	00WD045	VMware Virt SAN 6 All Flash for Dsktp Add-On 100 CCU Pk Lic&1Yr S&S
00WD046	00WD046	VMware Horizon View Standard Edition: 10 Conc User Pk Lic&1Yr S&S
00WD047	00WD047	VMware Horizon View Standard Edition: 100 Conc User Pk Lic&1Yr S&S
00WD048	00WD048	VMware Horizon View Standard Add-On: 10 Conc User Pk Lic&1Yr S&S
00WD049	00WD049	VMware Horizon View Standard Add-On: 100 Conc User Pk Lic&1Yr S&S
00WD050	00WD050	VMware Horizon Advanced Edition: 10 Conc User Pack Lic&1Yr S&S
00WD051	00WD051	VMware Horizon Advanced Edition: 100 Conc User Pack Lic&1Yr S&S
00WD052	00WD052	VMware Horizon Advanced Edition: 10 Named User Pack Lic&1Yr S&S
00WD053	00WD053	VMware Horizon Advanced Edition: 100 Named User Pack Lic&1Yr S&S
00WD054	00WD054	VMware Horizon Enterprise Edition: 10 Conc User Pack Lic&1Yr S&S
00WD055	00WD055	VMware Horizon Enterprise Edition: 100 Conc User Pack Lic&1Yr S&S
00WD056	00WD056	VMware Horizon Enterprise Edition: 10 Named User Pk Lic&1Yr S&S
00WD057	00WD057	VMware Horizon Enterprise Edition: 100 Named User Pk Lic&1Yr S&S
00WD058	00WD058	VMware Horizon FLEX 10 pack (Per Device) Lic&1Yr S&S
00WD059	00WD059	VMware Mirage for Physical: 10 NamedUser or Device Pack Lic&1Yr S&S
00WD060	00WD060	VMware Mirage for Physical: 100 NamedUser or Device Pack Lic&1Yr S&S
00WD061	00WD061	VMware Workspace Portal: 10 Named User Pack Lic&1Yr S&S
00WD062	00WD062	VMware Workspace Portal: 100 Named User Pack Lic&1Yr S&S
00WD063	00WD063	VMware vSphere 6 Standard for 1 processor Lic&3Yr S&S
00WD064	00WD064	VMware vSphere 6 Enterprise for 1 processor Lic&3Yr S&S
00WD065	00WD065	VMware vSphere 6 Enterprise Plus for 1 processor Lic&3Yr S&S
00WD066	00WD066	VMware vSphere 6 for Desktop (100 VM Pack) Lic&3Yr S&S
00WD067	00WD067	VMware vSphere 6 Remote Off Branch Off Std (25 VM Pk) Lic&3Yr S&S
00WD068	00WD068	VMware vSphere 6 Remote Off Branch Off Adv (25 VM Pk) Lic&3Yr S&S
00WD069	00WD069	VMware vSphere 6 Essentials Plus Kit for 3 hosts Lic&3Yr S&S
00WD072	00WD072	VMware vSph 6 w/Operations Mgmt Standard for 1 proc Lic&3Yr S&S
00WD073	00WD073	VMware vSph 6 w/Operations Mgmt Enterprise for 1 proc Lic&3Yr S&S
00WD074	00WD074	VMware vSph 6 w/Operations Mgmt Ent Plus for 1 proc Lic&3Yr S&S
00WD075	00WD075	VMware vSph6 w/Operations Mgmt Std Acc Kit for 6 procs Lic&3Yr S&S
00WD076	00WD076	VMware vSph6 w/Operations Mgmt Ent Acc Kit for 6 procs Lic&3Yr S&S
00WD077	00WD077	VMware vSph6 w/Operations Mgmt Ent Pl Acc Kit for 6 procs Lic&3Yr S&S
00WD078	00WD078	VMware vCenter Srv 6 Std for vSphere 6 (Per Instance) Lic&3Yr S&S
00WD079	00WD079	VMware vCenter Srv 6 Fdn for vSphere 6 (Per Instance) Lic&3Yr S&S
00WD080	00WD080	VMware vCenter Site Rec Mgr 6 Standard (25 VM Pack) Lic&3Yr S&S
00WD081	00WD081	VMware vCenter Site Rec Mgr 6 Enterprise (25 VM Pack) Lic&3Yr S&S
00WD082	00WD082	VMware vRealize Operations 6 Standard (25 VM Pack) Lic&3Yr S&S
00WD083	00WD083	VMware vRealize Operations 6 Advanced (25 OSI Pack) Lic&3Yr S&S
00WD084	00WD084	VMware vRealize Operations 6 Enterprise (25 OSI Pack) Lic&3Yr S&S
00WD085	00WD085	VMware vRealize Operations Insight 6 per CPU Lic&3Yr S&S
00WD086	00WD086	VMware vRealize Operations for Horizon: 10 Conc User Pk Lic&3Yr S&S
00WD087	00WD087	VMware vRealize Operations for Horizon: 100 Conc User Pk Lic&3Yr S&S
00WD088	00WD088	VMware vRealize Ops 6 Public Cld Ext Adv (25 OSI Pk) Lic&3Yr S&S
00WD089	00WD089	VMware vRealize Ops 6 Public Cld Ext Ent (25 OSI Pk) Lic&3Yr S&S
00WD090	00WD090	VMware vRealize Log Insight Per CPU Lic&3Yr S&S
00WD091	00WD091	VMware vRealize Suite 6 Advanced (25 OSI Pack) Lic&3Yr S&S
00WD092	00WD092	VMware vRealize Suite 6 Enterprise (25 OSI Pack) Lic&3Yr S&S
00WD093	00WD093	VMware vRealize Business 6 Standard (25 OSI Pack) Lic&3Yr S&S
00WD094	00WD094	VMware vRealize Business 6 Standard (Per CPU) Lic&3Yr S&S
00WD095	00WD095	VMware vRealize Business 8 Advanced (Per CPU) Lic&3Yr S&S
00WD096	00WD096	VMware vRealize Business 8 Enterprise (Per CPU) Lic&3Yr S&S
00WD097	00WD097	VMware vRealize Automation 6 Advanced (25 OSI Pack) Lic&3Yr S&S
00WD098	00WD098	VMware vRealize Automation 6 Enterprise (25 OSI Pack) Lic&3Yr S&S
00WD099	00WD099	VMware vRealize Automation Adv Public Cld Ext (25OSIPk) Lic&3Yr S&S

00WD100	00WD100	VMware vRealize Automation Ent Public Cld Ext (25OSIPk) Lic&3Yr S&S
00WD101	00WD101	VMware vRealize Automation Desktop (25 Pack) Lic&3Yr S&S
00WD102	00WD102	VMware vCloud Suite 6 Standard Lic&3Yr S&S
00WD103	00WD103	VMware vCloud Suite 6 Advanced Lic&3Yr S&S
00WD104	00WD104	VMware vCloud Suite 6 Enterprise Lic&3Yr S&S
00WD105	00WD105	VMware Virtual SAN 6 for 1 processor Lic&3Yr S&S
00WD106	00WD106	VMware Virtual SAN 6 for Desktop 100 Conc User Pack Lic&3Yr S&S
00WD107	00WD107	VMware Virt SAN 6 All Flash for Dsktp Add-On 10 CCU Pk Lic&3Yr S&S
00WD108	00WD108	VMware Virt SAN 6 All Flash for Dsktp Add-On 100 CCU Pk Lic&3Yr S&S
00WD109	00WD109	VMware Horizon View Standard Edition: 10 Conc User Pk Lic&3Yr S&S
00WD110	00WD110	VMware Horizon View Standard Edition: 100 Conc User Pk Lic&3Yr S&S
00WD111	00WD111	VMware Horizon View Standard Add-On: 10 Conc User Pk Lic&3Yr S&S
00WD112	00WD112	VMware Horizon View Standard Add-On: 100 Conc User Pk Lic&3Yr S&S
00WD113	00WD113	VMware Horizon Advanced Edition: 10 Conc User Pack Lic&3Yr S&S
00WD114	00WD114	VMware Horizon Advanced Edition: 100 Conc User Pack Lic&3Yr S&S
00WD115	00WD115	VMware Horizon Advanced Edition: 10 Named User Pack Lic&3Yr S&S
00WD116	00WD116	VMware Horizon Advanced Edition: 100 Named User Pack Lic&3Yr S&S
00WD117	00WD117	VMware Horizon Enterprise Edition: 10 Conc User Pack Lic&3Yr S&S
00WD118	00WD118	VMware Horizon Enterprise Edition: 100 Conc User Pack Lic&3Yr S&S
00WD119	00WD119	VMware Horizon Enterprise Edition: 10 Named User Pk Lic&3Yr S&S
00WD120	00WD120	VMware Horizon Enterprise Edition: 100 Named User Pk Lic&3Yr S&S
00WD121	00WD121	VMware Horizon FLEX 10 pack (Per Device) Lic&3Yr S&S
00WD122	00WD122	VMware Mirage for Physical: 10 NamedUser or Device Pack Lic&3Yr S&S
00WD123	00WD123	VMware Mirage for Physical: 100 NamedUser or Device Pack Lic&3Yr S&S
00WD124	00WD124	VMware Workspace Portal: 10 Named User Pack Lic&3Yr S&S
00WD125	00WD125	VMware Workspace Portal: 100 Named User Pack Lic&3Yr S&S
00WD378	00WD378	Upg: VMware vSph 6 Std to vSph 6 Ent for 1 Proc w/1Yr S&S
00WD379	00WD379	Upg: VMware vSph 6 Std to vSph 6 Ent Plus for 1 Proc w/1Yr S&S
00WD381	00WD381	Upg: VMware vSph 6 RemOff BranchOff Std to Adv (25 VM Pk) w/1Yr S&S
00WD382	00WD382	Upg: VMware vSph6 Ess to vSph6 Ess Plus Kit for 3 Hosts w/1Yr S&S
00WD383	00WD383	Upg: VMware vSph 6 Std to vSph 6 w/Ops Mgmt Std 1 Proc w/1Yr S&S
00WD384	00WD384	Upg: VMware vSph 6 Std to vSph 6 w/Ops Mgmt Ent 1 Proc w/1Yr S&S
00WD386	00WD386	Upg: VMware vSph 6 w/Ops Mgmt Std to Ent 1 Proc w/1Yr S&S
00WD387	00WD387	Upg: VMware vSph 6 Std to vSph 6 w/Ops Mgmt EntPl 1 Proc w/1Yr S&S
00WD388	00WD388	Upg: VMware vSph 6 Ent to vSph 6 w/Ops Mgmt EntPl 1 Proc w/1Yr S&S
00WD390	00WD390	Upg: VMware vSph 6 w/Ops Mgmt Std to EntPl 1 Proc w/1Yr S&S
00WD392	00WD392	Upg: VMw vSph6EssKit to vSph w/OpsMgmtStd AccKit 6Procs w/1Yr S&S
00WD393	00WD393	Upg: VMw vSph6EssPlKit to vSph w/OpsMgmtStd AccKit 6Procs w/1Yr S&S
00WD394	00WD394	Upg: VMw vSph6EssKit to vSph w/OpsMgmtEnt AccKit 6Procs w/1Yr S&S
00WD395	00WD395	Upg: VMw vSph6EssPlKit to vSph w/OpsMgmtEnt AccKit 6Procs w/1Yr S&S
00WD396	00WD396	Upg: VMw vSph6EssKit to vSph w/OpsMgmtEntPl AccKit 6Procs w/1Yr S&S
00WD397	00WD397	Upg: VMw vSph6EssPlKit to vSph w/OpsMgmtEntPlAccKit 6Procs w/1Yr S&S
00WD398	00WD398	Upg: VMware vCntr Server 6 Fnd to vCntr Server 6 Std w/1Yr S&S
00WD399	00WD399	Upg: VMware vRealize Operations 6 Std to Adv (25 OSI Pack) w/1Yr S&S
00WD400	00WD400	Upg: VMware vRealize Operations 6 Std to Ent (25 OSI Pack) w/1Yr S&S
00WD401	00WD401	Upg: VMware vRealize Operations 6 Adv to Ent (25 OSI Pack) w/1Yr S&S
00WD404	00WD404	Upg: VMw vRealizeOps6PublicCloudExt Adv to Ent (25 OSIPk) w/1Yr S&S
00WD405	00WD405	Upg: VMw vCAC6AdvSuite to vRealizeSuite6Adv (25 OSI Pack) w/1Yr S&S
00WD406	00WD406	Upg: VMwvCtrOps5.6MgmtSteStd to vRealizeSte6Adv (25 OSIPk) w/1Yr S&S
00WD407	00WD407	Upg: VMwvCtrOps5.6MgmtSteAdv to vRealizeSte6Adv (25 OSIPk) w/1Yr S&S
00WD408	00WD408	Upg: VMwITBusinessMgmtSte1Std to vRealizeSte6Adv (25 OSIPk) w/1Yr S&S
00WD409	00WD409	Upg: VMwvRealizeOps6Adv to vRealize Suite 6 Adv (25 OSIPk) w/1Yr S&S
00WD410	00WD410	Upg: VMwvRealizeBus6Std to vRealize Suite 6 Adv (25 OSIPk) w/1Yr S&S
00WD411	00WD411	Upg: VMw vRlZLogInsight to vRealize Suite 6 Ent (25 OSIPk) w/1Yr S&S
00WD412	00WD412	Upg: VMw vCAC 6 Adv Ste to vRealize Ste 6 Ent (25 OSI Pk) w/1Yr S&S
00WD414	00WD414	Upg: VMw vCtrOps5.6MgtSteStd to vRealizeSte6Ent (25 OSIPk) w/1Yr S&S
00WD415	00WD415	Upg: VMw vCtrOps5.6MgtSteAdv to vRealizeSte6Ent (25 OSIPk) w/1Yr S&S
00WD416	00WD416	Upg: VMw vCtrOps5.6MgtSteEnt to vRealizeSte6Ent (25 OSIPk) w/1Yr S&S
00WD417	00WD417	Upg: VMw IT Bus Mgmt Ste1Std to vRealizeSte6Ent (25 OSIPk) w/1Yr S&S
00WD418	00WD418	Upg: VMw vRealize Ste 6 Advanced to Enterprise (25 OSI Pk) w/1Yr S&S
00WD419	00WD419	Upg: VMw vRealizeBusiness8Advanced to Enterprise (Per CPU) w/1Yr S&S
00WD420	00WD420	Upg: VMware vRealize Automation 6 Adv to Ent (25 OSI Pk) w/1Yr S&S
00WD421	00WD421	Upg: VMw vRealizeAutomation Adv PCE to Ent PCE (25 OSI Pk) w/1Yr S&S
00WD422	00WD422	Upg: VMware vSphere 6 Std to vCloud Suite 6 Standard w/1Yr S&S
00WD423	00WD423	Upg: VMware vSphere 6 Ent to vCloud Suite 6 Standard w/1Yr S&S
00WD424	00WD424	Upg: VMware vSphere 6 EntPlus to vCloud Suite 6 Standard w/1Yr S&S
00WD425	00WD425	Upg: VMw vSph 6 w/OpsMgmt Std to vCloud Suite 6 Standard w/1Yr S&S
00WD426	00WD426	Upg: VMw vSph 6 w/OpsMgmt Ent to vCloud Suite 6 Standard w/1Yr S&S
00WD428	00WD428	Upg: VMware vCloud Suite 6 Standard to Advanced w/1Yr S&S
00WD429	00WD429	Upg: VMware vSphere 6 Std to vCloud Suite 6 Advanced w/1Yr S&S
00WD430	00WD430	Upg: VMware vSphere 6 Ent to vCloud Suite 6 Advanced w/1Yr S&S
00WD431	00WD431	Upg: VMware vSphere 6 EntPlus to vCloud Suite 6 Advanced w/1Yr S&S
00WD432	00WD432	Upg: VMw vSph 6 w/OpsMgmt Std to vCloud Suite 6 Advanced w/1Yr S&S
00WD433	00WD433	Upg: VMw vSph 6 w/OpsMgmt Ent to vCloud Suite 6 Advanced w/1Yr S&S
00WD434	00WD434	Upg: VMw vSph 6 w/OpsMgmt EntPl to vCloud Suite 6 Advanced w/1Yr S&S
00WD435	00WD435	Upg: VMware vCloud Suite 6 Standard to Enterprise w/1Yr S&S
00WD436	00WD436	Upg: VMware vCloud Suite 6 Advanced to Enterprise w/1Yr S&S
00WD437	00WD437	Upg: VMware vSphere 6 Std to vCloud Suite 6 Enterprise w/1Yr S&S
00WD438	00WD438	Upg: VMware vSphere 6 Ent to vCloud Suite 6 Enterprise w/1Yr S&S
00WD439	00WD439	Upg: VMware vSphere 6 EntPlus to vCloud Suite 6 Enterprise w/1Yr S&S
00WD440	00WD440	Upg: VMw vSph 6 w/OpsMgmt Std to vCloud Ste 6 Enterprise w/1Yr S&S
00WD441	00WD441	Upg: VMw vSph 6 w/OpsMgmt Ent to vCloud Ste 6 Enterprise w/1Yr S&S
00WD442	00WD442	Upg: VMw vSph 6 w/OpsMgmt EntPl to vCloud Ste 6 Enterprise w/1Yr S&S
00WD443	00WD443	Upg: VMware View 5 Ent to Horizon View Std Ed (10 CCU) w/1Yr S&S
00WD445	00WD445	Upg: VMw Enterprise Add-on to Horizon View Std Ed (10 CCU) w/1Yr S&S
00WD446	00WD446	Upg: VMware View 5 Ent to Horizon View Std Ed (100 CCU) w/1Yr S&S
00WD447	00WD447	Upg: VMwareView4PremAOPromo50Pk to HrznViewStdEd (100 CCU) w/1Yr S&S
00WD449	00WD449	Upg: VMw Enterprise Add-on to Horizon View Std Ed (100CCU) w/1Yr S&S
00WD450	00WD450	Upg: VMware Horizon View Std Ed to Horizon Adv Ed (10 CCU) w/1Yr S&S
00WD451	00WD451	Upg: VMware Mirage 5 to Horizon Advanced Edition (10 CCU) w/1Yr S&S
00WD452	00WD452	Upg: VMware Mirage for Physical to Horizon Adv Ed (10 CCU) w/1Yr S&S
00WD453	00WD453	Upg: VMwareViewAdd-on to Horizon Advanced Edition (10 CCU) w/1Yr S&S
00WD454	00WD454	Upg: VMware Horizon View Std Ed to Horizon Adv Ed (100CCU) w/1Yr S&S
00WD455	00WD455	Upg: VMware Mirage 5 to Horizon Advanced Edition (100 CCU) w/1Yr S&S
00WD456	00WD456	Upg: VMware Mirage for Physical to Horizon Adv Ed (100CCU) w/1Yr S&S
00WD457	00WD457	Upg: VMwareViewAdd-on to Horizon Advanced Edition (100CCU) w/1Yr S&S
00WD458	00WD458	Upg: VMware Mirage 5 to Horizon Advanced Edition (10 NU) w/1Yr S&S

00WD459	00WD459	Upg: VMware Workspace to Horizon Advanced Edition (10 NU) w/1Yr S&S
00WD460	00WD460	Upg: VMware Mirage for Physical to Horizon Adv Ed (10 NU) w/1Yr S&S
00WD461	00WD461	Upg: VMware Mirage 5 to Horizon Advanced Edition (100 NU) w/1Yr S&S
00WD462	00WD462	Upg: VMware Workspace to Horizon Advanced Edition (100 NU) w/1Yr S&S
00WD463	00WD463	Upg: VMware Mirage for Physical to Horizon Adv Ed (100 NU) w/1Yr S&S
00WD464	00WD464	Upg: VMware Horizon View Std Ed to Horizon Ent Ed (10 CCU) w/1Yr S&S
00WD466	00WD466	Upg: VMware View Add-on to Horizon Enterprise Ed (10 CCU) w/1Yr S&S
00WD467	00WD467	Upg: VMware Horizon View Std Ed to Horizon Ent Ed (100CCU) w/1Yr S&S
00WD469	00WD469	Upg: VMware View Add-on to Horizon Enterprise Ed (100 CCU) w/1Yr S&S
00WD473	00WD473	Upg: VMware vSph 6 Std to vSph 6 Ent Plus for 1 Proc w/3Yr S&S
00WD476	00WD476	Upg: VMware vSph6 Ess to vSph6 Ess Plus Kit for 3 Hosts w/3Yr S&S
00WD478	00WD478	Upg: VMware vSph 6 Std to vSph 6 w/Ops Mgmt Ent 1 Proc w/3Yr S&S
00WD481	00WD481	Upg: VMware vSph 6 Std to vSph 6 w/Ops Mgmt EntPl 1 Proc w/3Yr S&S
00WD492	00WD492	Upg: VMware vCntr Server 6 Fnd to vCntr Server 6 Std w/3Yr S&S
00WD494	00WD494	Upg: VMware vRealize Operations 6 Std to Ent (25 OSI Pack) w/3Yr S&S
00WD500	00WD500	Upg: VMwvCtrOps5.6MgtSteStd to vRealizeSte6Adv (25 OSIPk) w/3Yr S&S
00WD502	00WD502	Upg: VMwITBusinessMgtSte1Std to vRealizeSte6Adv (25 OSIPk) w/3Yr S&S
00WD504	00WD504	Upg: VMwvRealizeBus6Std to vRealize Suite 6 Adv (25 OSIPk) w/3Yr S&S
00WD505	00WD505	Upg: VMw vRlZLogInsight to vRealize Suite 6 Ent (25 OSIPk) w/3Yr S&S
00WD508	00WD508	Upg: VMw vCtrOps5.6MgtSteStd to vRealizeSte6Ent (25 OSIPk) w/3Yr S&S
00WD509	00WD509	Upg: VMw vCtrOps5.6MgtSteAdv to vRealizeSte6Ent (25 OSIPk) w/3Yr S&S
00WD511	00WD511	Upg: VMw IT Bus Mgmt Ste1Std to vRealizeSte6Ent (25 OSIPk) w/3Yr S&S
00WD516	00WD516	Upg: VMware vSphere 6 Std to vCloud Suite 6 Standard w/3Yr S&S
00WD523	00WD523	Upg: VMware vSphere 6 Std to vCloud Suite 6 Advanced w/3Yr S&S
00WD526	00WD526	Upg: VMw vSph 6 w/OpsMgmt Std to vCloud Suite 6 Advanced w/3Yr S&S
00WD531	00WD531	Upg: VMware vSphere 6 Std to vCloud Suite 6 Enterprise w/3Yr S&S
00WD532	00WD532	Upg: VMware vSphere 6 Ent to vCloud Suite 6 Enterprise w/3Yr S&S
00WD534	00WD534	Upg: VMw vSph 6 w/OpsMgmt Std to vCloud Site 6 Enterprise w/3Yr S&S
00WD942	00WD942	Upg: VMware vCenter Site Rec Mgr 6 Std to Ent (25 VM Pack) w/1Yr S&S
00WD943	00WD943	VMware vSphere 6 Essentials Kit for 3 hosts Lic&1Yr S&S
00WD944	00WD944	VMware Virt SAN 6 All Flash Add-On for 1 Processor Lic&1Yr S&S
00WD945	00WD945	VMware Virtual SAN 6 for Desktop 10 Conc User Pack Lic&1Yr S&S
00WD947	00WD947	VMware vSphere 6 Essentials Kit for 3 hosts Lic&3Yr S&S
00WD948	00WD948	VMware Virt SAN 6 All Flash Add-On for 1 Processor Lic&3Yr S&S
00WD949	00WD949	VMware Virtual SAN 6 for Desktop 10 Conc User Pack Lic&3Yr S&S
00YC220	00YC220	Lenovo Ntwk Bdl for VMware vRealize V1, per Mgd Switch w/1 Yr S&S
00YC222	00YC222	Lenovo Ntwk Bdl for VMware vRealize V1, per Mgd Switch w/3 Yr S&S
00YC224	00YC224	Lenovo Ntwk Bdl for VMware vRealize V1, per Mgd Switch w/5 Yr S&S
00JY281*	00JY281*	Upg: VMw vCtrOpMgtSteStd to vCtrOp5.6MgtSteAdv (25VMPk), Lic&1YrSubs
00JY289*	00JY289*	Upg: VMw vCtrOpMgtSteStd to vCtrOp5.6MgtSteAdv (25VMPk), Lic&3YrSubs
00JY297*	00JY297*	Upg: VMw vCtrOpMgtSteStd to vCtrOp5.6MgtSteAdv (25VMPk), Lic&5YrSubs
00JY298*	00JY298*	Upg: VMwHrznView 5 Bundle 10PkCCU to HrznSuite 10PkNU, Lic&5YrSubs
00JY299*	00JY299*	Upg: VMwHrznView 5 Bundle 100PkCCU to HrznSuite 100PkNU, Lic&5YrSubs
00JY300*	00JY300*	Upg: VMware vSph 5 Ess to EssPlus Kit w/VSA for 3 hosts, Lic&5YrSubs
00JY290*	00JY290*	Upg: VMwHrznView 5 Bundle 10PkCCU to HrznSuite 10PkNU, Lic&3YrSubs
00JY291*	00JY291*	Upg: VMwHrznView 5 Bundle 100PkCCU to HrznSuite 100PkNU, Lic&3YrSubs
00JY292*	00JY292*	Upg: VMware vSph 5 Ess to EssPlus Kit w/VSA for 3 hosts, Lic&3YrSubs
00JY282*	00JY282*	Upg: VMwHrznView 5 Bundle 10PkCCU to HrznSuite 10PkNU, Lic&1YrSubs
00JY283*	00JY283*	Upg: VMwHrznView 5 Bundle 100PkCCU to HrznSuite 100PkNU, Lic&1YrSubs
00JY284*	00JY284*	Upg: VMware vSph 5 Ess to EssPlus Kit w/VSA for 3 hosts, Lic&1YrSubs

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* Lenovo has withdrawn this product from marketing.

Storage systems

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- [Lenovo Storage S2200](#)
- [Lenovo Storage S3200](#)
- [Storwize V3700](#)
- [Storwize V5000](#)
- [Storwize V7000](#)

At a glance	HDD	Misc.

Table 1. IBM Storwize V3700 at-a-glance

Name	Part number	Withdrawal date	Storage type	HDD bays (std/max)	Hot-swap HDD bays (Y/N)	Max internal storage capacity(TB)	Max supported storage capacity
IBM Storwize V3700 3.5-inch Storage Controller Unit	6099-L2C	-	SAS	12/12	Y	48.0TB	-
IBM Storwize V3700 3.5-inch Storage Expansion Unit	6099-LEU	-	SAS	12/12	Y	48.0TB	-
IBM Storwize V3700 2.5-inch Storage Controller Unit	6099-S2C	-	SAS	24/24	Y	28.8TB	-
IBM Storwize V3700 2.5-inch Storage Expansion Unit	6099-SEU	-	SAS	24/24	Y	28.8TB	-
IBM Storwize V3700 2.5-inch DC Storage Controller Unit	6099-T2C	-	SAS	24/24	Y	28.8TB	-
IBM Storwize V3700 2.5-inch DC Storage Expansion	6099-TEU	-	SAS	24/24	Y	28.8TB	-

Table 1. IBM Storwize V3700 at-a-glance (continued)

Name	Part number	Withdrawal date	Dimensions (W x D x H)	Form factor	Max cfg wt	Power Supply quantity (std/max) - size
IBM Storwize V3700 3.5-inch Storage Controller Unit	6099-L2C	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	28.3kg (62.39lbs)	2/2
IBM Storwize V3700 3.5-inch Storage Expansion Unit	6099-LEU	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	28.3kg (62.39lbs)	2/2
IBM Storwize V3700 2.5-inch Storage Controller Unit	6099-S2C	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	27.3kg (60.18lbs)	2/2
IBM Storwize V3700 2.5-inch Storage Expansion Unit	6099-SEU	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	27.3kg (62.39lbs)	2/2
IBM Storwize V3700 2.5-inch DC Storage Controller Unit	6099-T2C	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	27.3kg (60.18lbs)	2/2
IBM Storwize V3700 2.5-inch DC Storage Expansion	6099-TEU	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	27.3kg (60.18lbs)	2/2

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Storage systems

Attention:

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- Lenovo Storage S2200
- Lenovo Storage S3200
- Storwize V3700
- Storwize V5000
- Storwize V7000

At a glance HDD Misc.

Option number	Feature code	Description	Height	Bays supported	Max quantity
HDD's					
00MJ125	ACKA	2 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00MJ127	ACKB	3 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00MJ129	ACKC	4 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00MJ131	ACKJ	900 GB 10,000 rpm 6 Gb SAS 3.5 Inch HDD	-	-	12
00MJ133	ACKK	1.2 TB 10,000 rpm 6 Gb SAS 3.5 Inch HDD	-	-	12
00MJ135	ACKS	300 GB 15,000 rpm 6 Gb SAS 3.5 Inch HDD	-	-	12
00MJ137	ACKT	600 GB 15,000 rpm 12 Gb SAS 3.5 Inch HDD	-	-	12
00MJ139	ACLA	146 GB 15,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00MJ141	ACLB	300 GB 15,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00MJ143	ACLC	600 GB 15,000 rpm 12 Gb SAS 2.5 Inch HDD	-	-	24
00MJ145	ACLK	600 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00MJ147	ACLL	900 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00MJ149	ACLM	1.2 TB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00MJ151	ACLT	1 TB 7,200 rpm 6 Gb SAS NL 2.5 Inch HDD	-	-	24
00MJ154	ACMD	200 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00MJ156	ACME	400 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00MJ158	ACMF	800 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00MN522	ASTJ	6 TB 7,200 rpm 12 Gb SAS 3.5-inch Hard Drive	-	-	12
00MN524	ASTK	1.8 TB 10,000 rpm 12 Gb SAS 3.5-Inch Hard Drive	-	-	12
00MN526	ASTL	1.8 TB 10,000 rpm 12 Gb SAS 2.5-inch Hard Drive	-	-	24

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* Lenovo has withdrawn this product from marketing.

Storage systems

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- Lenovo Storage S2200
- Lenovo Storage S3200
- Storwize V3700
- Storwize V5000
- Storwize V7000

At a glance			
HDD			
Misc.			
Option number	Feature code	Description	Max qty
Other Options			
00MJ093	ACHJ	6 Gb SAS 4 Port Host Interface Card	2
00MJ095	ACHK	8 Gb FC 4 Port Host Interface Card	2
00MJ097	ACHL	1 Gb iSCSI 4 Port Host Interface Card	2
00MJ099	ACHM	10 Gb iSCSI - FCoE 2 Port Host Interface Card	2
00MJ101	ACHB	4 GB to 8 GB Cache Upgrade	2
00MJ103	ACHS	8 Gb FC SW SFP Transceivers (Pair)	2
00MJ105	ACHT	8 Gb FC LW SFP Transceivers (Pair)	4
00MJ107	3690	Rack Shipment Bracket	1
00MJ109	ACZB	Generic Bezel 20 Pack - LFF Control	-
00MJ111	ACZC	Generic Bezel 20 Pack - LFF Expansion	-
00MJ113	ACZD	Generic Bezel 20 Pack - SFF Control	-
00MJ115	ACZE	Generic Bezel 20 Pack - SFF Expansion	-
00MJ117	ACFA	Turbo Performance	1
00MJ119	ACFE	FlashCopy Upgrade	1
00MJ121	ACFJ	Remote Mirroring	1
00MJ123	ACFN	Easy Tier	1
00MJ162	ACSA	0.6m SAS Cable (mSAS HD to mSAS)	14
00MJ163	ACSB	1.5m SAS Cable (mSAS HD to mSAS)	14
00MJ166	ACSC	3m SAS Cable (mSAS HD to mSAS)	14
00MJ168	ACSJ	1m Fiber Cable (LC)	8
00MJ170	ACSK	5m Fiber Cable (LC)	8
00MJ172	ACSL	25m Fiber Cable (LC)	8
00MJ174	ACSS	10m OM3 Fiber Cable (LC)	4
00MJ176	ACTA	0.6m SAS Cable (mSAS HD to mSAS HD)	14
00MJ178	ACTB	1.5m SAS Cable (mSAS HD to mSAS HD)	14
00MJ180	ACTC	3m SAS Cable (mSAS HD to mSAS HD)	14
00MJ232	ARZT	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord	1
00MJ233	ARZU	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord	1
00MJ234	ARZV	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord	1
00MJ235	ARZW	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord	1
00MJ236	ARZX	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord	1
00MJ237	ARZY	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord	1
00MJ238	ARZZ	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord	1
00MJ239	AS00	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord	1
00MJ240	AS01	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord	1
00MJ241	AS02	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord	1
00MJ242	AS03	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord	1
00MJ243	AS04	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord	1
00MJ244	AS05	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord	1
00MJ245	AS06	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord	1
00MJ246	AS07	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord	1

00MJ247	AS08	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord	1
00MJ248	AS25	1.8m, 10A/120V, C13 to NEMA 5-15P (US/Chicago) Line Cord	1

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Storage systems

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- Lenovo Storage S2200
- Lenovo Storage S3200
- Storwize V3700
- Storwize V5000
- Storwize V7000

At a glance	HDD	Misc.

Table 1. IBM Storwize V5000 at-a-glance

Name	Part number	Withdrawal date	Storage type	HDD bays (std/max)	Hot-swap HDD bays (Y/N)	Max internal storage capacity(TB)	Max supported storage capacity
IBM Storwize V5000 LFF Control Enclosure	6194-L2C	-	6 Gb SAS	12/12	Y	48.0TB	-
IBM Storwize V5000 LFF Expansion Enclosure	6194-LEU	-	6 Gb SAS	12/12	Y	48.0TB	-
IBM Storwize V5000 SFF Control Enclosure	6194-S2C	-	6 Gb SAS	24/24	Y	28.8TB	-
IBM Storwize V5000 SFF Expansion Enclosure	6194-SEU	-	6 Gb SAS	24/24	Y	28.8TB	-

Table 1. IBM Storwize V5000 at-a-glance (continued)

Name	Part number	Withdrawal date	Dimensions (W x D x H)	Form factor	Max cfg wt	Power Supply quantity (std/max) - size
IBM Storwize V5000 LFF Control Enclosure	6194-L2C	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	28.3kg (62.39lbs)	2/2
IBM Storwize V5000 LFF Expansion Enclosure	6194-LEU	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	28.3kg (62.39lbs)	2/2
IBM Storwize V5000 SFF Control Enclosure	6194-S2C	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	27.3kg (60.18lbs)	2/2
IBM Storwize V5000 SFF Expansion Enclosure	6194-SEU	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	27.3kg (60.18lbs)	2/2

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Storage systems

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- Lenovo Storage S2200
- Lenovo Storage S3200
- Storwize V3700
- Storwize V5000
- Storwize V7000

At a glance HDD Misc.

Option number	Feature code	Description	Height	Bays supported	Max quantity
HDD's					
00AK399	AC70	1 TB 7,200 rpm 6 Gb SAS NL 2.5 Inch HDD	-	-	24
00NC629	AC10	300 GB 15,000 rpm 6 Gb SAS 3.5 Inch HDD	-	-	12
00NC631	AC11	600 GB 15,000 rpm 12 Gb SAS 3.5 Inch HDD	-	-	12
00NC633	AC20	900 GB 10,000 rpm 6 Gb SAS 3.5 Inch HDD	-	-	12
00NC635	AC21	1.2 TB 10,000 rpm 6 Gb SAS 3.5 Inch HDD	-	-	12
00NC637	AC30	2 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00NC639	AC31	3 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00NC641	AC32	4 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00NC643	AC50	146 GB 15,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC645	AC51	300 GB 15,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC647	AC52	600 GB 15,000 rpm 12 Gb SAS 2.5 Inch HDD	-	-	24
00NC649	AC60	600 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC651	AC61	900 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC653	AC62	1.2 TB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00MN536	ASTR	6 TB 7,200 rpm 12 Gb SAS 3.5-inch Hard Drive	-	-	12
00MN538	ASTS	1.8 TB 10,000 rpm 12 Gb SAS 3.5-Inch Hard Drive	-	-	12
00MN540	ASTT	1.8 TB 10,000 rpm 12 Gb SAS 2.5-inch Hard Drive	-	-	24
Flash Drives					
00NC656	AC93	200 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00NC658	AC94	400 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00NC660	AC95	800 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24

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Storage systems

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- [Lenovo Storage S2200](#)
- [Lenovo Storage S3200](#)
- [Storwize V3700](#)
- [Storwize V5000](#)
- [Storwize V7000](#)

At a glance HDD Misc.

Option number	Feature code	Description	Max qty
Other Options			
00MJ105	ACHT	8Gb FC LW SFP Transceivers (Pair)	4
00MJ107	3690	Rack Shipment Bracket	1
00MJ162	ACSA	0.6m SAS Cable (mSAS HD to mSAS)	4
00MJ163	ACSB	1.5m SAS Cable (mSAS HD to mSAS)	4
00MJ166	ACSC	3m SAS Cable (mSAS HD to mSAS)	4
00MJ168	ACSJ	1m Fiber Cable (LC)	8
00MJ170	ACSK	5m Fiber Cable (LC)	8
00MJ172	ACSL	25m Fiber Cable (LC)	8
00MJ174	ACSS	10m OM3 Fiber Cable (LC)	4
00MJ176	ACTA	0.6m SAS Cable (mSAS HD to mSAS HD)	4
00MJ178	ACTB	1.5m SAS Cable (mSAS HD to mSAS HD)	4
00MJ180	ACTC	3m SAS Cable (mSAS HD to mSAS HD)	4
00NC547	AS26	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1
00NC625	AC00	8 Gb FC 4 Port Adapter Cards (Pair)	-
00NC627	AC01	10 Gb Ethernet 2 Port Adapter Cards (Pair)	-
Software for Storage			
00KE103	-	IBM Storwize Family for Strwz V5000 Cntlr V7 - Bundle w/3Yr S&S	
00KE104	-	IBM Storwize Family for Strwz V5000 Cntlr V7 - Easy Tier w/3Yr S&S	
00KE105	-	IBM Storwize Family for Strwz V5000 Cntlr V7 - Rmt Mirror w/3Yr S&S	
00KE106	-	IBM Storwize Family for Strwz V5000 Cntlr V7 - Flashcopy w/3Yr S&S	
00KE123	-	IBM Storwize Family for Strwz V5000 Expan V7 - Bundle w/3Yr S&S	
00KE124	-	IBM Storwize Family for Strwz V5000 Expan V7 - Easy Tier w/3Yr S&S	
00KE125	-	IBM Storwize Family for Strwz V5000 Expan V7 - Rmt Mirror w/3Yr S&S	
00KE126	-	IBM Storwize Family for Strwz V5000 Expan V7 - Flashcopy w/3Yr S&S	
00KE143	-	IBM Storwize Family for Strwz V5000 ExtVirt V7-Bundle w/3Yr S&S	
00KE144	-	IBM Storwize Family for Strwz V5000 ExtVirt V7-Easy Tier w/3Yr S&S	
00KE145	-	IBM Storwize Family for Strwz V5000 ExtVirt V7-Rmt Mirror w/3Yr S&S	
00KE146	-	IBM Storwize Family for Strwz V5000 ExtVirt V7-Flashcopy w/3Yr S&S	

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Storage systems

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- Lenovo Storage S2200
- Lenovo Storage S3200
- Storwize V3700
- Storwize V5000
- Storwize V7000

At a glance	HDD	Misc.

Table 1. IBM Storwize V7000 at-a-glance

Name	Part number	Withdrawal date	Storage type	HDD bays (std/max)	Hot-swap HDD bays (Y/N)	Max internal storage capacity(TB)	Max supported storage capacity
IBM Storwize V7000 3.5-inch Storage Expansion Unit	6195-LEF	-	12 Gb SAS	12/12	Y	48.0TB	-
IBM Storwize V7000 2.5-inch Storage Controller Unit	6195-SC5	-	12 Gb SAS	24/24	Y	28.8TB	-
IBM Storwize V7000 2.5-inch Storage Expansion Unit	6195-SEF	-	12 Gb SAS	24/24	Y	28.8TB	-

Table 1. IBM Storwize V7000 at-a-glance (continued)

Name	Part number	Withdrawal date	Dimensions (W x D x H)	Form factor	Max cfg wt	Power Supply quantity (std/max) - size
IBM Storwize V7000 3.5-inch Storage Expansion Unit	6195-LEF	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	26.7kg (58.86lbs)	2/2
IBM Storwize V7000 2.5-inch Storage Controller Unit	6195-SC5	-	483mm x 746mm x 87mm (19in x 29.37in x 3.42 in)	2U Rack	36.7kg (80.90lbs)	2/2
IBM Storwize V7000 2.5-inch Storage Expansion Unit	6195-SEF	-	483mm x 556mm x 87mm (19in x 21.88in x 3.42 in)	2U Rack	25.0kg (55.11lbs)	2/2

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Storage systems

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- Lenovo Storage S2200
- Lenovo Storage S3200
- Storwize V3700
- Storwize V5000
- Storwize V7000

At a glance **HDD** Misc.

Option number	Feature code	Description	Height	Bays supported	Max quantity
HDD's					
00NC513	AHD1	2 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00NC515	AHD2	3 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00NC517	AHD3	4 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	-	12
00NC519	AHE1	300 GB 15,000 rpm 12 Gb SAS 2.5 Inch HDD	-	-	24
00NC521	AHE2	600 GB 15,000 rpm 12 Gb SAS 2.5 Inch HDD	-	-	24
00NC523	AHF1	600 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC525	AHF2	900 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC527	AHF3	1.2 TB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	-	24
00NC529	AHG1	1 TB 7,200 rpm 6 Gb SAS NL 2.5 Inch HDD	-	-	24
00MN532	ASTP	6 TB 7,200 rpm 12 Gb SAS 3.5-inch Hard Drive	-	-	12
00MN534	ASTQ	1.8 TB 10,000 rpm 12 Gb SAS 2.5-inch Hard Drive	-	-	24
Flash Drives					
00NC531	AHH1	200 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00NC533	AHH2	400 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24
00NC535	AHH3	800 GB 12 Gb SAS 2.5 Inch Flash Drive	-	-	24

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Storage systems

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Lenovo Storage S2200	Lenovo Storage S3200	Storwize V3700	Storwize V5000	Storwize V7000

At a glance			HDD	Misc.
Option number	Feature code	Description	Max qty	
Other Options				
00MJ105	ACHT	8Gb FC LW SFP Transceivers (Pair)	8	
00MJ168	ACSJ	1m Fiber Cable (LC)	16	
00MJ170	ACSK	5m Fiber Cable (LC)	16	
00MJ172	ACSL	25m Fiber Cable (LC)	16	
00MJ174	ACSS	10m OM3 Fiber Cable (LC)	8	
00MJ242	AS03	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord	1	
00MJ248	AS25	1.8m, 10A/120V, C13 to NEMA 5-15P (US/Chicago) Line Cord	1	
00NC503	AHB1	8 Gb FC 4 Port Adapter Cards (Pair)	2	
00NC505	AHB5	10 Gb Ethernet 4 Port Adapter Cards (Pair)	1	
00NC507	AHC1	Compression Accelerator Cards (Pair)	1	
00NC509	AHCB	64 GB to 128 GB Cache Upgrade	1	
00NC539	ACUA	0.6m 12 Gb SAS Cable (mSAS HD to mSAS HD)	2	
00NC541	ACUB	1.5m 12 Gb SAS Cable (mSAS HD to mSAS HD)	2	
00NC543	ACUC	3m 12 Gb SAS Cable (mSAS HD to mSAS HD)	2	
00NC545	ACUD	6m 12 Gb SAS Cable (mSAS HD to mSAS HD)	2	
00NC547	AS26	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	
00NC549	AS27	2.8m, 13A/125V, C13 to NEMA 5-15P (US) Line Cord	1	
00MN528	ASTE	16Gb FC Adapter Pair	1	
00MN530	ASTH	16Gb FC LW SFP Transceivers	1	
00MT543	ASTF	Encryption Enablement	1	
00MT545	ASTG	Encryption USB Drive Pack	1	
00MM835	ATQV	16Gb FC 4 Port Adapter Pair for IBM Storwize V7000	-	
Software for Storage				
00KE025	-	IBM Storwize Family for Strwz V7000 Cntrl V7 - Bundle w/3Yr S&S	-	
00KE026	-	IBM Storwize Family for Strwz V7000 Cntrl V7 - Easy Tier w/3Yr S&S	-	
00KE027	-	IBM Storwize Family for Strwz V7000 Cntrl V7 - Flashcopy w/3Yr S&S	-	
00KE028	-	IBM Storwize Family for Strwz V7000 Cntrl V7 - Rmt Mirror w/3Yr S&S	-	
00KE029	-	IBM Storwize Family for Strwz V7000 Cntrl V7 - Compression w/3Yr S&S	-	
00KE050	-	IBM Storwize Family for Strwz V7000 Expan V7 - Bundle w/3Yr S&S	-	
00KE051	-	IBM Storwize Family for Strwz V7000 Expan V7 - Easy Tier w/3Yr S&S	-	
00KE052	-	IBM Storwize Family for Strwz V7000 Expan V7 - Flashcopy w/3Yr S&S	-	
00KE053	-	IBM Storwize Family for Strwz V7000 Expan V7 - Rmt Mirror w/3Yr S&S	-	
00KE054	-	IBM Storwize Family for Strwz V7000 Expan V7 - Compression w/3Yr S&S	-	
00KE075	-	IBM Storwize Family for Strwz V7000 ExtVirt V7-Bundle w/3Yr S&S	-	
00KE076	-	IBM Storwize Family for Strwz V7000 ExtVirt V7-Easy Tier w/3Yr S&S	-	
00KE077	-	IBM Storwize Family for Strwz V7000 ExtVirt V7-Flashcopy w/3Yr S&S	-	
00KE078	-	IBM Storwize Family for Strwz V7000 ExtVirt V7-Rmt Mirror w/3Yr S&S	-	
00KE079	-	IBM Storwize Family for Strwz V7000 ExtVirt V7-Compression w/3Yr S&S	-	

External expansion units

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- EXP2512 Storage
- EXP2524 Storage

At a glance	HDD	Misc.

Table 1. IBM EXP2512 Storage Enclosure at-a-glance

Name	Part number	Withdrawal date	Storage type	HDD bays (std/max)	Hot-swap HDD bays (Y/N)	Max internal storage capacity(TB)
IBM System Storage EXP2512 Express Storage Enclosure	6100-12X	-	SAS	12/12	Y	48.0TB2

Table 1. IBM EXP2512 Storage Enclosure at-a-glance (continued)

Name	Part number	Withdrawal date	Dimensions (W x D x H)	Form factor	Max cfg wt	Power Supply quantity (std/max) - size
IBM System Storage EXP2512 Express Storage Enclosure	6100-12X	-	483mm x 556mm x 87mm(19in x 21.9in x 3.4in)	Rack Drawer (2U)	26.7kg (58.8lbs)	2/2

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External expansion units

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- [EXP2512 Storage](#)
- [EXP2524 Storage](#)

At a glance **HDD** Misc.

Option number	Feature code	Description	Height	Bays supported	Max quantity
HDD's					
00NC555	5375	2 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	1..12	12
00NC557	AS3Q	3 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	1..12	12
00NC559	AS3R	4 TB 7,200 rpm 6 Gb SAS NL 3.5 Inch HDD	-	1..12	12

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External expansion units

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- EXP2512 Storage
- EXP2524 Storage

At a glance			
HDD			
Misc.			
Option number	Feature code	Description	Max qty
Other Options			
00MJ107	3690	Rack Shipment Bracket	1
00MJ232	ARZT	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord	1
00MJ233	ARZU	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord	1
00MJ234	ARZV	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord	1
00MJ235	ARZW	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord	1
00MJ236	ARZX	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord	1
00MJ237	ARZY	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord	1
00MJ238	ARZZ	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord	1
00MJ239	AS00	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord	1
00MJ240	AS01	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord	1
00MJ241	AS02	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord	1
00MJ242	AS03	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord	1
00MJ243	AS04	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord	1
00MJ244	AS05	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord	1
00MJ245	AS06	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord	1
00MJ246	AS07	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord	1
00MJ247	AS08	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord	1
00MJ248	AS25	1.8m, 10A/120V, C13 to NEMA 5-15P (US/Chicago) Line Cord	1
39R6529	3708	IBM 1M SAS Cable	3
39R6531	3707	IBM 3M SAS Cable	3
40K5563	3796	0.6m Green Cat5e Cable	1
40K5581	3803	3m Blue Cat5e Cable	1
40K5643	3797	1.5m Green Cat5e Cable	1
40K5679	3801	0.6m Blue Cat5e Cable	1
40K5793	3798	3m Green Cat5e Cable	1
40K5794	3799	10m Green Cat5e Cable	1
40K8785	3802	1.5m Blue Cat5e Cable	1
40K8801	3794	10m Yellow Cat5e Cable	1
40K8807	3795	25m Yellow Cat5e Cable	1
40K8869	3800	25m Green Cat5e Cable	1
40K8927	3804	10m Blue Cat5e Cable	1
40K8930	3805	25m Blue Cat5e Cable	1
40K8933	3791	0.6m Yellow Cat5e Cable	1
40K8951	3792	1.5m Yellow Cat5e Cable	1
40K8957	3793	3m Yellow Cat5e Cable	1

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* Lenovo has withdrawn this product from marketing.

External expansion units

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- EXP2512 Storage
- EXP2524 Storage

At a glance	HDD	Misc.

Table 1. IBM EXP2524 Storage Enclosure at-a-glance

Name	Part number	Withdrawal date	Storage type	HDD bays (std/max)	Hot-swap HDD bays (Y/N)	Max internal storage capacity(TB)
IBM System Storage EXP2524 Express Storage Enclosure	6100-24X	-	SAS	24/24	Y	12TB

Table 1. IBM EXP2524 Storage Enclosure at-a-glance (continued)

Name	Part number	Withdrawal date	Dimensions (W x D x H)	Form factor	Max cfg wt	Power Supply quantity (std/max) - size
IBM System Storage EXP2524 Express Storage Enclosure	6100-24X	-	483mm x 556mm x 87mm(19in x 21.9in x 3.4in)	Rack Drawer (2U)	25kg (55.2 lbs)	2/2

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External expansion units

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- EXP2512 Storage
- EXP2524 Storage

At a glance **HDD** Misc.

Option number	Feature code	Description	Height	Bays supported	Max quantity
HDD's					
00NC561	AS3S	146 GB 15,000 rpm 6 Gb SAS 2.5 Inch HDD	-	1..24	24
00NC563	AS3T	300 GB 15,000 rpm 6 Gb SAS 2.5 Inch HDD	-	1..24	24
00NC565	AS3U	600 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	1..24	24
00NC567	AS3V	900 GB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	1..24	24
00NC569	AS3W	1.2 TB 10,000 rpm 6 Gb SAS 2.5 Inch HDD	-	1..24	24
00NC571	AS3X	1 TB 7,200 rpm 6 Gb SAS NL 2.5 Inch HDD	-	1..24	24
Flash Drives					
00NC573	AS3Y	200 GB 6 Gb SAS 2.5 Inch Flash Drive	-	1..24	24
00NC575	AS3Z	400 GB 6 Gb SAS 2.5 Inch Flash Drive	-	1..24	24

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* Lenovo has withdrawn this product from marketing.

External expansion units

Attention:

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- EXP2512 Storage
- EXP2524 Storage

At a glance			
HDD			
Misc.			
Option number	Feature code	Description	Max qty
Other Options			
00MJ107	3690	Rack Shipment Bracket	1
00MJ232	ARZT	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord	1
00MJ233	ARZU	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord	1
00MJ234	ARZV	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord	1
00MJ235	ARZW	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord	1
00MJ236	ARZX	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord	1
00MJ237	ARZY	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord	1
00MJ238	ARZZ	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord	1
00MJ239	AS00	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord	1
00MJ240	AS01	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord	1
00MJ241	AS02	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord	1
00MJ242	AS03	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord	1
00MJ243	AS04	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord	1
00MJ244	AS05	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord	1
00MJ245	AS06	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord	1
00MJ246	AS07	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord	1
00MJ247	AS08	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord	1
00MJ248	AS25	1.8m, 10A/120V, C13 to NEMA 5-15P (US/Chicago) Line Cord	1
39R6529	3708	IBM 1M SAS Cable	3
39R6531	3707	IBM 3M SAS Cable	3
40K5563	3796	0.6m Green Cat5e Cable	1
40K5581	3803	3m Blue Cat5e Cable	1
40K5643	3797	1.5m Green Cat5e Cable	1
40K5679	3801	0.6m Blue Cat5e Cable	1
40K5793	3798	3m Green Cat5e Cable	1
40K5794	3799	10m Green Cat5e Cable	1
40K8785	3802	1.5m Blue Cat5e Cable	1
40K8801	3794	10m Yellow Cat5e Cable	1
40K8807	3795	25m Yellow Cat5e Cable	1
40K8869	3800	25m Green Cat5e Cable	1
40K8927	3804	10m Blue Cat5e Cable	1
40K8930	3805	25m Blue Cat5e Cable	1
40K8933	3791	0.6m Yellow Cat5e Cable	1
40K8951	3792	1.5m Yellow Cat5e Cable	1
40K8957	3793	3m Yellow Cat5e Cable	1

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* Lenovo has withdrawn this product from marketing.

Additional fibre channel components

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Table 1. IBM System Storage SAN10Q1, 2, 3

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
691810X*	4 January 2008	IBM System Storage SAN10Q1, 2, 3	10/10	4
Related Options				
39R6475	4-Gbps SW SFTP Transceiver		-	-

Notes:

1. Provides 10 ports in a 1/2-rack width, 1U high chassis. Ships standard with four short-wave SFP modules, serial cable and a rack power cord.
2. Supports short-wave connections only.
3. Entry level switch compatible with DS400 only.
4. Supports two L10 switches in a 1U rack space.

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Table 2. IBM TotalStorage SAN16B-2 Express Model1, 2

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
200516B	-	IBM TotalStorage SAN16B-2 Express Model1, 2	8/16	8
Related Options				
19K1272	Long-wave SFP modules		-	-
22R0488	9 Micron Fibre Cable 31 m, singlemode, LC/LC		-	-
22R4891*	16B Advanced Security Activation		-	-
22R4897*	4 Gbps SW SFP Transceiver 4 Pack		-	-
22R4901*	16B 4-Port Activation ⁴		-	-
22R4902*	4 Gbps SW SFP Transceiver		-	-
22R4904*	16B Fabric Watch		-	-
22R5332*	16B Express Model 4-Port upgrade ³		-	-
22R5460*	16B Full Fabric Activation		-	-
22R5469	16B Performance Bundle Activation		-	-
23R1701*	4 Gbps 10 km longwave SFP Transceiver		-	-
23R1702*	4 Gbps 10 km longwave SFP Transceiver 4 Pack		-	-
23R1703*	4 Gbps 4 km longwave SFP Transceiver		-	-
23R1704*	4 Gbps 4 km longwave SFP Transceiver 4 Pack		-	-
23R1705	16B Extended Fabric Activation		-	-

Notes:

1. Provides 16 ports in a 1U high chassis. Ships standard with eight short-wave 4 Gbps SFP modules, rack power cord and a rail kit.
2. Supports short-wave and long-wave connections.
3. Includes four 4GBps SW SFP transceivers and port activation for four ports.
4. Provides port activation only for four ports. One optional SFP transceiver is required per port.
5. Long-wave SFP Module operates at 2Gbps transfer rate.

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Table 3. IBM TotalStorage SAN32B-2 Express model1, 2

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
200532B*	6 October 2007	IBM TotalStorage SAN32B-2 Express model1, 2	16/32	16

Related Options				
19K1272	Long-wave SFP Modules	-	-	
22R4894*	32B Extended Fabric Activation	-	-	
22R4895*	32B Advanced Security Activation	-	-	
22R4896	32B Performance Bundle	-	-	
22R4897*	4 Gbps SW SFP Transceiver 4 Pack	-	-	
22R4902*	4 Gbps SW SFP Transceiver	-	-	
22R5505*	32B 8-Port Activation ³	-	-	
23R1701*	4 Gbps 10 km longwave SFP Transceiver	-	-	
23R1702*	4 Gbps 10 km longwave SFP Transceiver 4 Pack	-	-	
23R1703*	4 Gbps 4 km longwave SFP Transceiver	-	-	
23R1704*	4 Gbps 4 km longwave SFP Transceiver 4 Pack	-	-	

- Notes:**
- Provides 32 ports in a 1U high chassis. Ships standard with sixteen short-wave 4 Gbps SFP modules, rack power cord and a rail kit.
 - Supports short-wave and long-wave connections.
 - Provides port activation only. Does not include SFP Transceivers.
 - Provides activation for 8 ports and eight 4 Gbps shortwave SFP transceivers.
 - Long-wave SFP Module operates at 2Gbps transfer rate.

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Table 4.IBM TotalStorage SAN16M-2 Express Model^{1, 2, 3}

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
202616E*	29 September 2007	IBM TotalStorage SAN16M-2 Express Model ^{1, 2, 3}	8/16	8
Related Options				
19K1250	LC-SC Fibre Channel Adapter cable		-	-
22R5424	SAN16M-2 Express Optional Hot-Swap Redundant Power Supply		-	-
22R5888	4-Port FlexPort Expansion Kits		-	-
22R5892	SAN16M-2 Express Shelf Kit ⁴		-	-
39M5696*	1M L-LC Fibre Channel Cable		-	-
39M5697*	5M LC-LC Fibre Channel Cable		-	-
39M5698*	25M LC-LC Fibre Channel Cable		-	-

- Notes:**
- Provides up to 16 ports in a half-rack width chassis. Ships standard with eight short-wave 4 Gbps SFP modules, and US power cord.
 - Currently supports short-wave connections only.
 - Includes eight 4GBps SW SFP transceivers and port activation for eight ports.
 - Rack shelf supports up to two SAN16M-2 TopSeller Models.
 - Includes four 4GBps SW SFPs and port activation for four ports.

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Table 5.IBM TotalStorage SAN32M-2 Express^{1, 2, 3}

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
202632E*	29 September 2007	IBM TotalStorage SAN32M-2 Express ^{1, 2, 3}	16/32	16
Related Options				
19K1250	LC-SC Fibre Channel Adapter cable		-	-
19K1272	Long-wave SFP Modules		-	-
22R5906	8-Port FlexPort Expansion Kit ⁴		-	-
39M5696*	1M L-LC Fibre Channel Cable		-	-
39M5697*	5M LC-LC Fibre Channel Cable		-	-
39M5698*	25M LC-LC Fibre Channel Cable		-	-

- Notes:**
- Provides 32 ports in a 1U high chassis. Ships standard with sixteen short-wave 4 Gbps SFP modules, two rack power cords, two US power cords, and a rail kit.
 - Supports short-wave and long-wave connections.
 - Includes sixteen 4GBps SW SFPs and port activation for 16 ports.
 - Includes eight 4GBps SW SFPs and port activation for eight ports.
 - Long-wave SFP Module operates at 2Gbps transfer rate.

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Table 6.Cisco MDS 9124 for IBM System Storage1, 2

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
241724C	-	Cisco MDS 9124 for IBM System Storage1, 2	8/24	8
Related Options				
39M5696*	1M Fiber Optic Cable LC-LC		-	-
39M5697*	5M Fiber Optic Cable LC-LC		-	-
39M5698*	25M LC-LC Fibre Channel Cable		-	-
45W0654	9124 8 Port Act + 8 SW SFPs3		-	-
45W0655*	9124 2nd Power Supply		-	-
98Y2292	Cisco MDS 9124 Express DCNM for SAN Adv. Edition		-	-

- Notes:
1. Provides 24 ports in a 1U high chassis. Ships standard with eight short-wave 4 Gbps SFP modules, rack power cord and a rail kit.
 2. Supports short-wave and long-wave connections.
 3. Provides port activation and SFP transceivers for 8 ports.

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Table 7.IBM System Storage SAN24B-4 Express1, 2

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
249824E	-	IBM System Storage SAN24B-4 Express1, 2	8/24	0
Related Options				
22R0488	9 Micron Fibre Cable 31MSM LC/LC		-	-
39M5697*	Fiber Cable LC/LC 5M Multimode		-	-
39M5698*	Fiber Cable LC/LC 25M Multimode		-	-
45W0493*	SFP Transceiver 4 Gbps SW		-	-
45W0494	SFP Transceiver 4 Gbps 4Km LW		-	-
45W0495*	SFP Transceiver 4 Gbps 10Km LW		-	-
45W0496*	SFP Transceiver 4 Gbps SW 8-Pack		-	-
45W0497	SFP Transceiver 4 Gbps 4Km LW 8-Pack		-	-
45W0498*	SFP Transceiver 4 Gbps 10Km LW 8-Pack		-	-
45W0499	SFP Transceiver 4 Gbps 30Km ELW		-	-
45W0500	SFP Transceiver 8 Gbps SW		-	-
45W0501	SFP Transceiver 8 Gbps SW 8-Pack		-	-
45W0502	8 Port Activation3		-	-
45W0503*	24E Enterprise Package		-	-
45W0504	Fabric Watch		-	-
45W0505	Extended Fabric		-	-
45W0508	Advanced Performance Monitor		-	-
45W0509	Trunking Activation		-	-
45W0510	Adaptive Networking		-	-
45W0512	Full Fabric		-	-
45W0630	EGM (Enhanced Group Management)		-	-
45W1216	SFP Transceiver 8 Gbps 10 km LW		-	-
45W1218	SFP Transceiver 8 Gbps 10 Km LW 8-Pack		-	-
45W2283	SFP Transceiver 8 Gbps 25 Km ELW		-	-
45W7553	B24 Server Application Optimization		-	-

- Notes:
1. Provides 24 ports in a 1U high chassis. Ships standard with rack power cord and a rack rail kit.
 2. Supports short-wave and long-wave connections.
 3. Provides port activation only. Does not include SFP Transceivers.

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Table 8.IBM System Storage SAN40B-4 11, 2

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
249840E	-	IBM System Storage SAN40B-4 11, 2	24/40	0
Related Options				

22R0488	9 Micron Fibre Cable 31MSM LC/LC	-	-
39M5697*	Fiber Cable LC/LC 5M Multimode	-	-
39M5698*	Fiber Cable LC/LC 25M Multimode	-	-
45W0493*	SFP Transceiver 4 Gbps SW	-	-
45W0494	SFP Transceiver 4 Gbps 4Km LW	-	-
45W0495*	SFP Transceiver 4 Gbps 10Km LW	-	-
45W0496*	SFP Transceiver 4 Gbps SW 8-Pack	-	-
45W0497	SFP Transceiver 4 Gbps 4Km LW 8-Pack	-	-
45W0498*	SFP Transceiver 4 Gbps 10Km LW 8-Pack	-	-
45W0499	SFP Transceiver 4 Gbps 30Km ELW	-	-
45W0500	SFP Transceiver 8 Gbps SW	-	-
45W0501	SFP Transceiver 8 Gbps SW 8-Pack	-	-
45W0524	8 Port Activation3	-	-
45W0525*	B40/40E Enterprise Package	-	-
45W0526	Extended Fabric	-	-
45W0527	Advanced Performance Monitor	-	-
45W0528	Trunking Activation	-	-
45W0529	Adaptive Networking	-	-
45W0530	Integrated Routing	-	-
45W0531	FICON w/ CUP Activation	-	-
45W1216	SFP Transceiver 8 Gbps 10 km LW	-	-
45W1218	SFP Transceiver 8 Gbps 10 Km LW 8-Pack	-	-
45W2283	SFP Transceiver 8 Gbps 25 Km ELW	-	-
45W7556	B40 Server Application Optimization	-	-

- Notes:
- 1. Provides 40 ports in a 1U high chassis. Ships standard with rack power cord and a rack rail kit.
 - 2. Supports short-wave and long-wave connections.
 - 3. Provides port activation only. Does not include SFP Transceivers.

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Table 9.IBM Converged Switch B321

Option number	Withdrawal date	Description	Ports (Std/Max)	SFP Modules (Std/Max)
375832E	-	IBM Converged Switch B321	32/32	2
Related Options				
22R0488		Fiber Cable LC/LC 31 m Singlemode 9 Micron	-	-
39M5697*		Fiber Cable LC/LC 5 m Multimode 50 Micron	-	-
39M5698*		Fiber Cable LC/LC 25 m Multimode 50 Micron	-	-
45W0500		SFP Transceiver 8 Gbps SW5	-	-
45W0501		SFP Transceiver 8 Gbps SW 8-packs	-	-
45W0527		Advanced Performance Monitor Activation	-	-
45W0528		Trunking Activation	-	-
45W1216		SFP Transceiver 8 Gbps LW5	-	-
45W1218		SFP Transceiver 8 Gbps LW 8-packs	-	-
45W2282		OM3 Cable LC/LC 10 m	-	-
45W2398		Twinax Active 1 m4	-	-
45W2401		Twinax Active 1 m 8-Pack4	-	-
45W2408		Twinax Active 3 m4	-	-
45W2409		Twinax Active 3 m 8-Pack4	-	-
45W2411		SFP+ Transceiver 10 Gbps SR3, 4	-	-
45W2414		SFP+ Transceiver 10 Gbps SR 8-Pack3, 4	-	-
45W2420		SFP+Transceiver 10 Gbps LR3, 4	-	-
45W2421		SFP+ Transceiver 10 Gbps LR 8-Pack3, 4	-	-
45W2424		Rack Mount Kit, Long Rack Ears4	-	-
45W3039		Twinax Active 5 m4	-	-
45W3042		Twinax Active 5 m 8-Pack4	-	-
45W5348		3758-B32 Firmware Upgrade Renewal, 1 year	-	-
45W5349		3758-B32 Firmware Upgrade Renewal, 2 years	-	-

1. Top-of-rack switch supports Fibre Channel over Ethernet (FCoE), Fibre Channel (FC), Converged Enhanced Ethernet (CEE), and traditional Ethernet protocols. Provides eight 8 Gbps FC and 24 10 GbE CEE ports in a 1U high chassis with dual power supplies and fans.
2. Must populate the 8 FC and minimum 8 of the CEE ports with transceivers at the time of purchase.
3. These transceivers are compatible with the CEE ports.
4. SFP+ transceivers can only be used with OM3 cables.
5. These transceivers are compatible with the FC ports.

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* Lenovo has withdrawn this product from marketing.

External storage configuration examples

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

The following sample configurations are for illustration only and may not be suitable for any specific customer installation. Contact your Lenovo Business Partner or Lenovo Marketing Representative for assistance with your specific configuration requirements.

Table 1. Cable Group legend

Cable Group A (0.8mm to 0.8mm)	
03K9310	Netfinity 2m Ultra2 SCSI cable
03K9311	Netfinity 4.2m Ultra2 SCSI cable
Cable Group SW (short-wave)	
19K1247	1m LC-LC Fibre Channel cable
19K1248	5m LC-LC Fibre Channel cable
19K1249	25m LC-LC Fibre Channel cable
Cable Group LW (long-wave) ¹	
-	Customer supplied

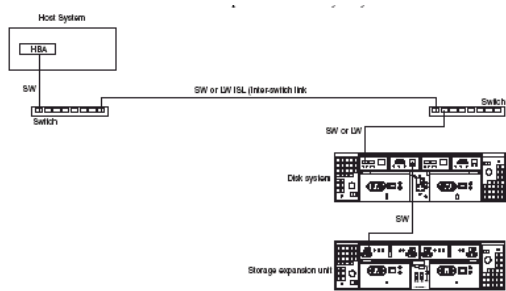
Note:

1. Customer-supplied cables of longer lengths can be used. Short-wave supports up to 500m. Long-wave supports up to 10km.

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The illustration below shows what a typical solution might look like in terms of where short-wave and long-wave cables would be used. Actual implementation may vary based on individual hardware.

Figure 1. Typical short-wave and long-wave cabling usage



The following sample configurations are for illustration only and may not be suitable for any specific customer installation. Contact your IBM Business Partner or IBM Marketing Representative for assistance with your specific configuration requirements.

Figure 2. DS4100 and DS4300 Host Attach Examples

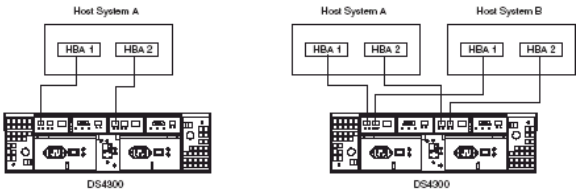


Figure 3. DS4100 and DS4300 Drive Attach Examples

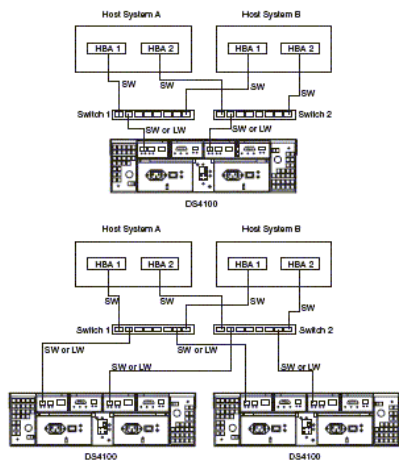


Figure 4. DS3xxx Drive Attach Examples

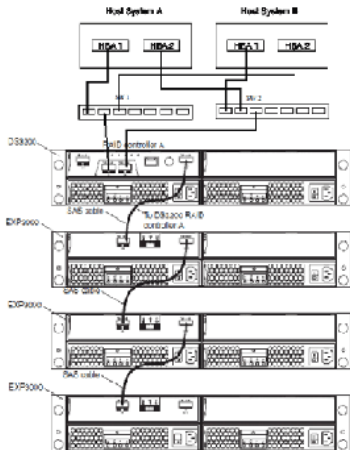


Figure 5. DS3xxx Drive Attach Examples

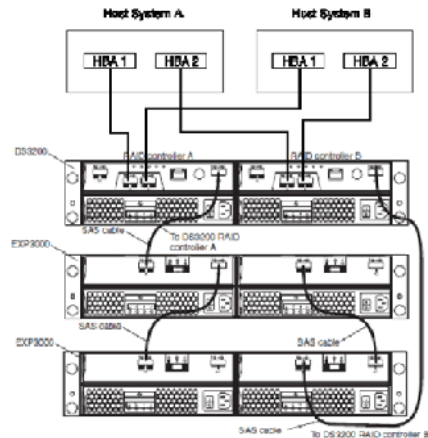


Figure 6. DS3xxx Drive Attach Examples

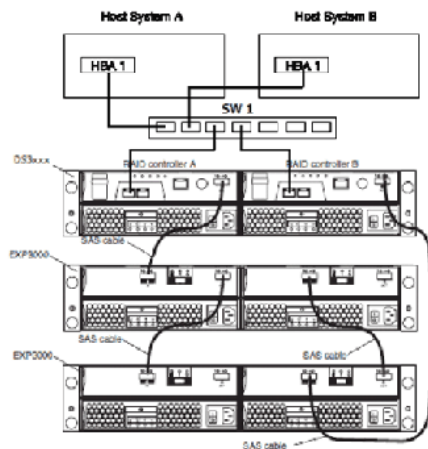


Figure 7. DS4100 and DS4300 Drive Attach Examples

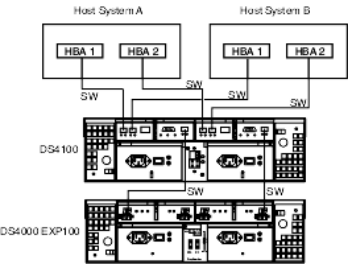


Figure 8. DS4100 and DS4300 Drive Attach Examples

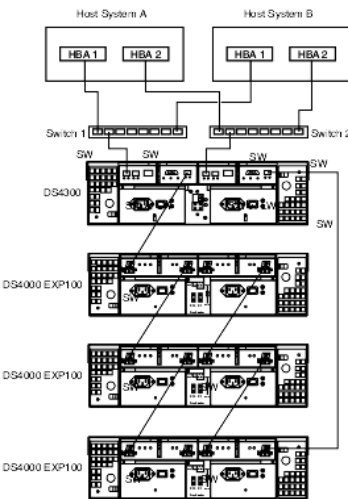


Figure 9. DS3xxx Drive Attach Examples

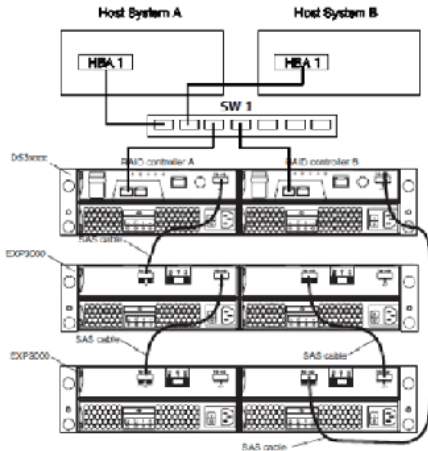


Figure 10. DS3xxx Drive Attach Examples

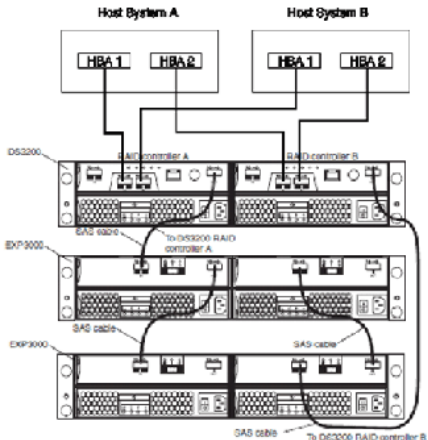


Figure 11. DS3xxx Drive Attach Examples

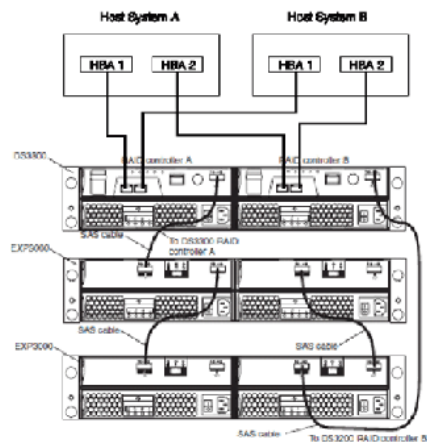


Figure 12. DS3xxx Drive Attach Examples

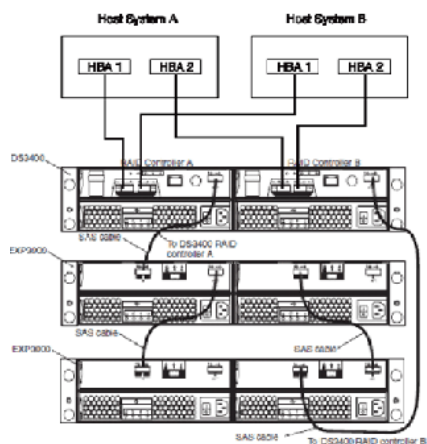


Figure 13. DS4500 Host and Drive Attach Examples

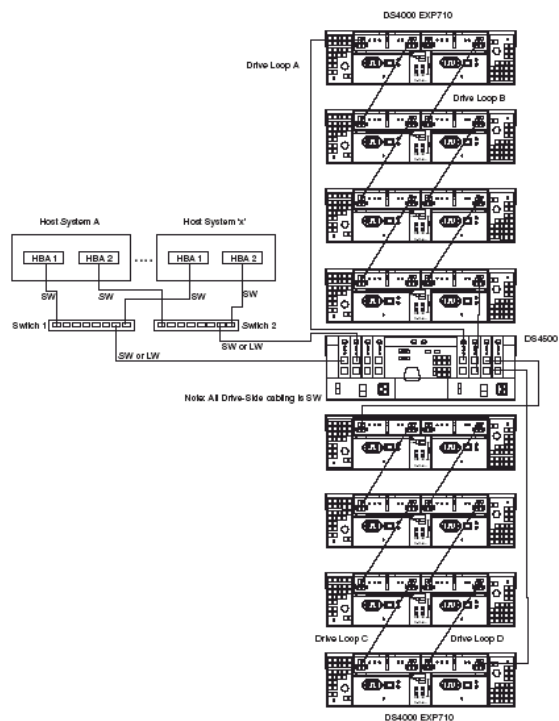


Figure 14. DS3500 Drive Attach Examples

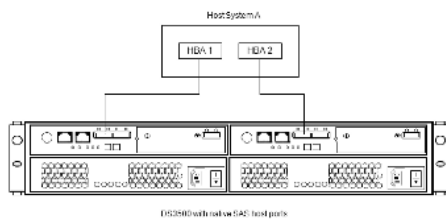
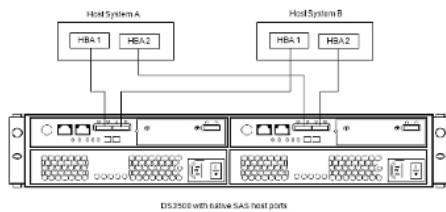


Figure 15. DS3500 Drive Attach Examples



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* Lenovo has withdrawn this product from marketing.

External tape and tape library attributes

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- [Ext tape drives](#)
- [Ext tape libraries](#)
- [Ext tape enclosures](#)

Installing tape devices on the same bus as other devices may impact performance of those devices.

Table 1. Ultrium 3 LVD Tape Drive 3580 with rack mount kit, no power cord

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580L3H*	Ultrium 3 LVD Tape Drive 3580 with rack mount kit, no power cord ²	Ultra320 (16-bit LVD)	Stand-alone or Rack Mounts	400/800 GB	80/160	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7133*	2.5 m VHDCI/HD68 SCSI Cable					
23R7134	4.5 m VHDCI/HD68 SCSI Cable					
23R7135	10.0 m VHDCI/HD68 SCSI Cable					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
96P1565	19-inch Rack Mount Kit					

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model L33 is an Ultrium 3 tape drive that ships with rack mounting hardware. No line cord provided power cord.
 3. A 19in rack mount kit (P/N 96P1565) is available for placing in a rack.

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Table 2. System Storage TS2230 Tape Drive Express Model H3L

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580L3E*	System Storage TS2230 Tape Drive Express Model H3L ²	Ultra320 (16-bit, LVD)	Stand-alone or Rack Mounts	400/800 GB	60/120	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7133*	2.5 m VHDCI/HD68 SCSI Cable					
23R7134	4.5 m VHDCI/HD68 SCSI Cable					
23R7135	10.0 m VHDCI/HD68 SCSI Cable					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
96P1565	19-inch Rack Mount Kit					

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model L3E is an Ultrium 3 tape drive that ships with rack mounting hardware, data cartridge and one cleaning cartridge. No line cord provided
 3. A 19in rack mount kit (P/N 96P1565) is available for placing in a rack.

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Table 3. System Storage TS2230 Tape Drive Express Model H3S

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S3E*	System Storage TS2230 Tape Drive Express Model H3S2	SAS	Stand-alone or Rack Mounts	400/800 GB	60/120	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:**
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model H3S is an Ultrium 3 tape drive that ships with one data cartridge and one cleaning cartridge. No line cord or rack mounting hardware is included.
 3. A 19in rack mount kit (P/N 96P1565) is available for placing in a rack.

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Table 4. System Storage TS2340 Tape Drive Express Model L43

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580L4X*	System Storage TS2340 Tape Drive Express Model L43z	Ultra320 (16-bit, LVD)	Stand-alone or Rack Mounts	800/1600 GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7133*	2.5 m VHDCI/HD68 SCSI Cable					
23R7134	4.5 m VHDCI/HD68 SCSI Cable					
23R7135	10.0 m VHDCI/HD68 SCSI Cable					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
96P1565	19-inch Rack Mount Kit					

- Notes:**
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model L43 is an LTO Ultrium 4 tape drive that ships with one data cartridge and one cleaning cartridge. No line cord or rack mounting hardware is included.
 3. A 19in rack mount kit (P/N 96P1565) is available for placing in a rack.

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Table 5. System Storage TS2340 Tape Drive Express Model S43

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S4X*	System Storage TS2340 Tape Drive Express Model S43z	SAS	Stand-alone or Rack Mounts	800/1600 GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					

95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
96P1565	19-inch Rack Mount Kit

- Notes:**
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model S43 is an LTO Ultrium 4 tape drive that ships with one data cartridge and one cleaning cartridge. No line cord or rack mounting hardware is included.
 3. A 19in rack mount kit (P/N 96P1565) is available for placing in a rack.

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Table 6. System Storage TS2240 Tape Drive Express Model H4S

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S4E*	System Storage TS2240 Tape Drive Express Model H4S2	SAS	Stand-alone or Rack Mount ³	800/1600 GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:**
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model S4E is an LTO Ultrium 4 tape drive that ships with one data cartridge and one cleaning cartridge. No line cord or rack mounting hardware is included.
 3. A 19in rack mount kit (option 96P1565) is available for placing in a rack.

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Table 7. System Storage TS2240 Tape Drive Model H4S for Express Seller

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580E4S*	System Storage TS2240 Tape Drive Model H4S for Express Seller2	SAS	Stand-alone or Rack Mount ³	800/1600 GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:**
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model E4S is an LTO Ultrium 4 tape drive that ships with rack mounting hardware, one data cartridge, and one cleaning cartridge. No line cord provided.
 3. A 19in rack mount kit (option 96P1565) is available for placing in a rack.

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Table 8. System Storage TS2250 Tape Drive Express Model H5S

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S5E	System Storage TS2250 Tape Drive Express Model H5S2	SAS	Stand-alone or Rack Mount ³	1500GB / 3000GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
46C2084	Ultrium 5 Data Cartridges 5-Pack					
46C2925	HD-SAS to Mini-SAS Cable					
46C2926	Y-SAS HD to Mini-SAS Cable					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model H5S is an LTO Ultrium 4 tape drive thatÂ ships with rack mounting hardware, one data cartridge,Â and one cleaning cartridge. No line cord provided.
 3. A 19in rack mount kit (option 96P1565) is available for placing in a rack.

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Table 9. System Storage TS2350 Tape Drive Express Model S53

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S5X*	System Storage TS2350 Tape Drive Express Model S53z	SAS	Stand-alone or Rack Mount ³	1500GB / 3000GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
46C2084	Ultrium 5 Data Cartridges 5-Pack					
46C2925	HD-SAS to Mini-SAS Cable					
46C2926	Y-SAS HD to Mini-SAS Cable					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. 3580 Model S53 is an LTO Ultrium 4 tape drive that ships with rack mounting hardware, one data cartridge,Â and one cleaning cartridge. No line cord provided.
 3. A 19in rack mount kit (option 96P1565) is available for placing in a rack.

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Table 10. System Storage TS2230 Tape Drive Express Model H3V

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S3V*	System Storage TS2230 Tape Drive Express Model H3V	Half High SAS TAPE DRIVE Version 2	Stand-alone or Rack Mount ²	400/800 GB	80/160	1/1
Related Options						

23R7000	Rack Device to PDU Line Cord
23R7008	Ultrium Cleaning Cartridge L1 UCC
23R7141	2.8 m Power Cord 125V US/Canada
23R7143*	1.8 m Power Cord 125V Chicago
23R7145	2.8 m Power Cord 250V US/Canada
95P2020	Ultrium 3 Data Cartridges 5-pack
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
96P1565	19-inch Rack Mount Kit

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. 3A 19in rack mount kit (option 96P1565) is available for placing in a rack.

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Table 11. System Storage TS2240 Tape Drive Express Model H4V

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S4V	System Storage TS2240 Tape Drive Express Model H4V	Half High SAS TAPE DRIVE Version 2	Stand-alone or Rack Mount ²	800/1600 GB	120/240	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7143*	1.8 m Power Cord 125V Chicago					
23R7145	2.8 m Power Cord 250V US/Canada					
95P2020	Ultrium 3 Data Cartridges 5-pack					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. A 19in rack mount kit (option 96P1565) is available for placing in a rack.

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Table 12. System Storage TS2260 Tape Drive Express Model H6S

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S6E	System Storage TS2260 Tape Drive Express Model H6S	6 Gbps SAS	1U	2500GB / 6250GB	140/160	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7145	2.8 m Power Cord 250V US/Canada					
35P1902	Ultrium 6 Data Cartridges 5-Pack					
46C2084	Ultrium 5 Data Cartridges 5-Pack					
46C2925	HD-SAS to Mini-SAS Cable					
46C2926	Y-SAS HD to Mini-SAS Cable					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	19-inch Rack Mount Kit					

- Notes:
1. Data provided is in the syntax of Native/Compressed.
 2. A 19in rack mount kit (option 96P1565) is available for placing in a rack.

Table 13. System Storage TS2360 Tape Drive Express Model S63

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
3580S6X	System Storage TS2360 Tape Drive Express Model S63	6 Gbps SAS	1U	2500GB / 6250GB	140/160	1/1
Related Options						
23R7000	Rack Device to PDU Line Cord					
23R7008	Ultrium Cleaning Cartridge L1 UCC					
23R7141	2.8 m Power Cord 125V US/Canada					
23R7145	2.8 m Power Cord 250V US/Canada					
35P1902	Ultrium 6 Data Cartridges 5-Pack					
46C2084	Ultrium 5 Data Cartridges 5-Pack					
46C2925	HD-SAS to Mini-SAS Cable					
46C2926	Y-SAS HD to Mini-SAS Cable					
95P4278	Ultrium 4 Data Cartridges 5-Pack					
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
96P1565	Rack Mount Kit					

Note:

1. Data provided is in the syntax of Native/Compressed.

Table 14. IBM TS2260 Tape Drive Model H6S

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
6160S6E	IBM TS2260 Tape Drive Model H6S	6 Gbps SAS	1U	2500GB	140/160	1/1
Related Options						
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
00NA017	Ultrium Cleaning Cartridge L1 UCC					
00NA021	Ultrium 4 Data Cartridges 5-Pack					
00NA023	Ultrium 5 Data Cartridges 5-Pack					
00NA025	Ultrium 6 Data Cartridges 5-Pack					
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord					
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord					
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord					
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord					
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord					
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord					
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord					
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord					
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord					
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord					
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord					
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord					
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord					
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord					
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord					
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord					
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord					
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord					
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable					
00NV419	HD-SAS Cable to Mini-SAS					
00NV420	Y SAS HD to Mini-SAS Cable					
00NV426	6160 Rack Mount Shelf Kit w/PDU Line Cord					

Note:

1. Data provided is in the syntax of Native/Compressed.

Table 15. IBM TS2360 Tape Drive Model S63

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
6160S6X	IBM TS2360 Tape Drive Model S63	6 Gbps SAS	1U	2500GB	140/160	1/1
Related Options						
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
00NA017	Ultrium Cleaning Cartridge L1 UCC					
00NA021	Ultrium 4 Data Cartridges 5-Pack					
00NA023	Ultrium 5 Data Cartridges 5-Pack					
00NA025	Ultrium 6 Data Cartridges 5-Pack					
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord					
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord					
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord					
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord					
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord					
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord					
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord					
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord					
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord					
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord					
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord					
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord					
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord					
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord					
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord					
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord					
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord					
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord					
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable					
00NV419	HD-SAS Cable to Mini-SAS					
00NV420	Y SAS HD to Mini-SAS Cable					
00NV426	6160 Rack Mount Shelf Kit w/PDU Line Cord					

Note:

1. Data provided is in the syntax of Native/Compressed.

Table 16. IBM TS2250 Tape Drive Model H5S

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
6160S5E	IBM TS2250 Tape Drive Model H5S	6 Gbps SAS	1U	2500GB	120/240	1/1
Related Options						
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
00NA017	Ultrium Cleaning Cartridge L1 UCC					
00NA021	Ultrium 4 Data Cartridges 5-Pack					
00NA023	Ultrium 5 Data Cartridges 5-Pack					
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord					
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord					
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord					
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord					
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord					
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord					
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord					
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord					
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord					
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord					

00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
00NV419	HD-SAS Cable to Mini-SAS
00NV420	Y SAS HD to Mini-SAS Cable
00NV426	6160 Rack Mount Shelf Kit w/PDU Line Cord

Note:
1. Data provided is in the syntax of Native/Compressed.

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Table 17. IBM TS2240 Tape Drive Model H4V

Option number	Description	Storage interface	Form factor	Max. storage ¹	MB/sec ¹	Data cartridges (std/max)
6160S4V	IBM TS2240 Tape Drive Model H4V	6 Gbps SAS	1U	2500GB	120/240	1/1
Related Options						
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)					
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)					
00NA017	Ultrium Cleaning Cartridge L1 UCC					
00NA021	Ultrium 4 Data Cartridges 5-Pack					
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord					
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord					
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord					
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord					
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord					
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord					
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord					
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord					
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord					
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord					
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord					
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord					
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord					
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord					
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord					
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord					
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord					
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord					
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable					
00NV419	HD-SAS Cable to Mini-SAS					
00NV420	Y SAS HD to Mini-SAS Cable					
00NV426	6160 Rack Mount Shelf Kit w/PDU Line Cord					

Note:
1. Data provided is in the syntax of Native/Compressed.

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* Lenovo has withdrawn this product from marketing.

External tape and tape library attributes

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Ext tape drives
- Ext tape libraries
- Ext tape enclosures

SCSI interface and cable legend

F	Female - External
M	Male - External
68	16-bit, 68-pin High Density connector
0.8	16-bit, 68-pin Very High Density Connection Interface (VHDI) 0.8mm connector
SE	Single-ended SCSI
HVD	High Voltage Differential SCSI
LVD	Low Voltage Differential SCSI

Table 1. TS2900 Tape Autoloader Model S3R

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3572S3R*	TS2900 Tape Autoloader Model S3R1	SAS	1U Rack	0/9	1/1	1/1	3.6/7.2TB	60/120
Related Options								
23R7008*	Ultrium Cleaning Cartridge L1 UCC							
23R7141*	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145*	2.8 m Power Cord 250V US/Canada							
45E3793	3572 Additional Magazine							
95P2020*	Ultrium 3 Data Cartridges 5-Pack							
95P4711	2.0 m SAS/Mini-SAS 1x Cable							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable							
95P4713	2.0 m Mini-SAS/Mini-SAS 1x Cable							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable							

Note:

- Includes tape library with LTO3 tape drive and rack mounting hardware.

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Table 2. TS2900 Tape Autoloader Model S3E

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3572S3E*	TS2900 Tape Autoloader Model S3E1	SAS	Stand-alone	0/9	1/1	1/1	3.6/7.2TB	60/120
Related Options								
23R7008*	Ultrium Cleaning Cartridge L1 UCC							
23R7141*	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145*	2.8 m Power Cord 250V US/Canada							
45E3793	3572 Additional Magazine							
95P2020*	Ultrium 3 Data Cartridges 5-Pack							
95P4711	2.0 m SAS/Mini-SAS 1x Cable							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable							
95P4713	2.0 m Mini-SAS/Mini-SAS 1x Cable							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable							

Note:

- Includes tape library with LTO3 tape drive and deskside covers.

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Table 3. TS2900 Tape Autoloader Model S4R

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3572S4R	TS2900 Tape Autoloader Model S4R1	SAS	1U Rack	0/9	1/1	1/1	7.2/14.4TB	120/240
Related Options								
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
45E3785	3572 Rack Mount Kit							
45E3793	3572 Additional Magazine							
45E3797	Transparent LTO Encryption							
95P2020	Ultrium 3 Data Cartridges 5-Pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2.0 m SAS/Mini-SAS 1x Cable							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable							
95P4713	2.0 m Mini-SAS/Mini-SAS 1x Cable							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable							

Note:
1. Includes tape library with LTO4 tape drive and rack mounting hardware.

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Table 4. TS2900 Tape Autoloader Model S4E

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3572S4E*	TS2900 Tape Autoloader Model S4E1	SAS	Stand-alone	0/9	1/1	1/1	7.2/14.4TB	120/240
Related Options								
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
45E3797	Transparent LTO Encryption							
95P2020*	Ultrium 3 Data Cart (5-pack)							
95P4278	Ultrium 4 Data Cart (5-pack)							
95P4711	2.0 m SAS/Mini-SAS 1x Cable							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable							
95P4713	2.0 m Mini-SAS/Mini-SAS 1x Cable							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable							

Note:
1. Includes tape library with LTO4 tape drive and deskside covers.

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Table 5. IBM System Storage TS3100 Tape Library Express Model L3S

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573L3S*	IBM System Storage TS3100 Tape Library Express Model L3S1	LVD SCSI	2U Rack	1/24	2/2	1/1	9.6 TB/ 19.2 TB	20/40
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10.0 m VHDCI/HD68 SCSI Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							

23R7145	2.8 m Power Cord 250V US/Canada
23R7260*	Ultrium 3LVD SCSI Tape Drive
23R7261*	Ultrium 3 Fibre Tape Drive
45E2237	3573 Left Side 2U Magazine
45E9503	Path Failover
95P2020	Ultrium 3 Data Cartridges 5-pack

Note:
1. Includes tape library with LTO3 tape drive, rack mounting hardware, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 6. IBM System Storage TS3100 Tape Library Express Model F3S

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573F3S*	IBM System Storage TS3100 Tape Library Express Model F3S1	4 Gbps Fiber	2U Rack	1/24	2/2	1/1	9.6 TB/ 19.2 TB	20/40
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7136*	5 m LC/LC Fibre Cable							
23R7137	13 m LC/LC Fibre Cable							
23R7138	25 m LC/LC Fibre Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2237	3573 Left Side 2U Magazine							
45E9503	Path Failover							
95P2020	Ultrium 3 Data Cartridges 5-pack							

Note:
1. Includes tape library with LTO3 tape drive, rack mounting hardware, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 7. IBM System Storage TS3100 Tape Library Express Model L4S

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573L4S*	IBM System Storage TS3100 Tape Library Express Model L4S1	LVD SCSI	2U Rack	1/24	2/2	1/1	19.2 TB/ 38.4 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10.0 m VHDCI/HD68 SCSI Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
45E2237	3573 Left Side 2U Magazine							
45E3081	Transparent LTO Encryption							

45E9503	Path Failover
46C2084	Ultrium 5 Data Cartridges 5-Pack
95P2020	Ultrium 3 Data Cartridges 5-pack
95P4278	Ultrium 4 Data Cartridges 5-Pack

Note:
1. Includes tape library with LTO4 tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 8. IBM System Storage TS3100 Tape Library Express Model F4S

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573F4S*	IBM System Storage TS3100 Tape Library Express Model F4S ¹	4Gbps Fibre	2U Rack	1/24	2/2	1/1	19.2 TB/ 38.4 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7136*	5 m LC/LC Fibre Cable							
23R7137	13 m LC/LC Fibre Cable							
23R7138	25 m LC/LC Fibre Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2237	3573 Left Side 2U Magazine							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							

Note:
1. Includes tape library with LTO4 tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 9. IBM System Storage TS3100 Tape Library Express Model S4S

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573S4S*	IBM System Storage TS3100 Tape Library Express Model S4S ¹	SAS	2U Rack	1/24	2/2	1/1	19.2 TB/ 38.4 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2237	3573 Left Side 2U Magazine							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
95P2020	Ultrium 3 Data Cartridges 5-pack							

95P4278	Ultrium 4 Data Cartridges 5-Pack
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4994	SAS/Mini-SAS 4x Interposer
95P4996	SAS/Mini-SAS 4x Interposer

Note:
1. Includes tape library with LTO4 tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 10. IBM System Storage TS3100 Tape Library Express Model L32

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573L32*	IBM System Storage TS3100 Tape Library Express Model L32 ¹	LVD SCSI	2U Rack	1/24	2/2	1/2	9.6 TB/ 19.2 TB	60/120
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10.0 m VHDCI/HD68 SCSI Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2237	3573 Left Side 2U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E9503	Path Failover							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							

Note:
1. Includes tape library with LTO3 tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 11. IBM System Storage TS3100 Tape Library Express Model S32

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573S32*	IBM System Storage TS3100 Tape Library Express Model S32 ¹	SAS	2U Rack	1/24	2/2	1/2	9.6 TB/ 19.2 TB	60/120
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							

23R7260*	Ultrium 3LVD SCSI Tape Drive
23R7261*	Ultrium 3 Fibre Tape Drive
45E2237	3573 Left Side 2U Magazine
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled
45E9503	Path Failover
46C2084	Ultrium 5 Data Cartridges 5-Pack
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled
46X2685	LTO Ultrium 5 Half High SAS Drive Sled
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled
95P2020	Ultrium 3 Data Cartridges 5-pack
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4994	SAS/Mini-SAS 4x Interposer
95P4996	SAS/Mini-SAS 4x Interposer
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled

Note:
1. Includes tape library with LTO3 tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 12. IBM System Storage TS3100 Tape Library Express Model L2U

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573S42*	IBM System Storage TS3100 Tape Library Express Model L2U ¹	SAS	2U Rack	1/24	2/2	1/2	19.2 TB/ 38.4 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2237	3573 Left Side 2U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4994	SAS/Mini-SAS 4x Interposer							
95P4996	SAS/Mini-SAS 4x Interposer							
95P4998*	LTO Ultrium 3 Half High SCSI Drive Sled							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							

1. Includes tape library with LTO4 tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 13. IBM System Storage TS3100 Tape Library Express Seller Model L2U

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573E42*	IBM System Storage TS3100 Tape Library Express Seller Model L2U ¹	SAS	2U Rack	1/24	2/2	1/2	19.2 TB/ 38.4 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2237	3573 Left Side 2U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4994	SAS/Mini-SAS 4x Interposer							
95P4996	SAS/Mini-SAS 4x Interposer							
95P4998*	LTO Ultrium 3 Half High SCSI Drive Sled							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							

Note:
1. Includes tape library with LTO4 tape drive, one data cartridge, one cleaning cartridge and one rack mount kit. No line cord provided.

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Table 14. IBM System Storage TS3200 Tape Library Express Model L3H

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573L3H*	IBM System Storage TS3200 Tape Library Express Model L3H ¹	LVD SCSI	4U Rack	1/48	4/4	1/2	9.2 TB/ 38.4 TB	40/80
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10.0 m VHDCI/HD68 SCSI Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							

23R7143*	1.8 m Power Cord 125V Chicago
23R7145	2.8 m Power Cord 250V US/Canada
23R7260*	Ultrium 3LVD SCSI Tape Drive
23R7261*	Ultrium 3 Fibre Tape Drive
23R7262	Additional Power Supply
45E2225	3573 Left Upper 4U Magazine
45E2231	3573 Left Lower 4U Magazine
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled
45E9503	Path Failover
46X2682	LTO Ultrium 5 Fibre Channel Drive
46X2683	LTO Ultrium 5 SAS Channel Drive
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled
46X2685	LTO Ultrium 5 Half High SAS Drive Sled
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled
95P2020	Ultrium 3 Data Cartridges 5-pack
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library with tape drive, rack mounting hardware, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 15. IBM System Storage TS3200 Tape Library Express Model F3H								
Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573F3H*	IBM System Storage TS3200 Tape Library Express Model F3H ¹	LC Fiber	4U Rack	1/48	4/4	1/2	19.2 TB/ 38.4 TB	40/80
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7136*	5 m LC/LC Fibre Cable							
23R7137	13 m LC/LC Fibre Cable							
23R7138	25 m LC/LC Fibre Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E9503	Path Failover							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled							

95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library with tape drive, rack mounting hardware, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 16. IBM System Storage TS3200 Tape Library Express Model L34

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573L34*	IBM System Storage TS3200 Tape Library Express Model L34 ¹	LVD SCSI	4U Rack	1/48	4/4	1/4	19.2TB/ 38.4TB	60/120
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10 m VHDCI/HD68 SCSI Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E9503	Path Failover							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled							
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled							
95P5006	LTO Ultrium 4 SAS Drive Sled							

Note:
1. Includes tape library with tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 17. IBM System Storage TS3200 Tape Library Express Model S34

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573S34*	IBM System Storage TS3200 Tape Library Express Model S34 ¹	SAS	4U Rack	1/48	4/4	1/4	19.2 TB/ 38.4 TB	60/120
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							

23R7145	2.8 m Power Cord 250V US/Canada
23R7260*	Ultrium 3LVD SCSI Tape Drive
23R7261*	Ultrium 3 Fibre Tape Drive
45E2225	3573 Left Upper 4U Magazine
45E2231	3573 Left Lower 4U Magazine
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled
45E9503	Path Failover
46C2084	Ultrium 5 Data Cartridges 5-Pack
46X2682	LTO Ultrium 5 Fibre Channel Drive
46X2683	LTO Ultrium 5 SAS Channel Drive
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled
46X2685	LTO Ultrium 5 Half High SAS Drive Sled
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled
95P2020	Ultrium 3 Data Cartridges 5-pack
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4994	SAS/Mini-SAS 4x Interposer
95P4996	SAS/Mini-SAS 4x Interposer
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library with tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 18. IBM System Storage TS3200 Tape Library Express Model L4U

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573S44*	IBM System Storage TS3200 Tape Library Express Model L4U1	SAS	4U Rack	1/48	4/4	1/4	38.4TB/76.8TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							

95P2020	Ultrium 3 Data Cartridges 5-pack
95P4278	Ultrium 4 Data Cartridges 5-Pack
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4994	SAS/Mini-SAS 4x Interposer
95P4996	SAS/Mini-SAS 4x Interposer
95P4998*	LTO Ultrium 3 Half High SCSI Drive Sled
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library with tape drive, one dataÂ cartridge and one cleaning cartridge. No line cordÂ provided.

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Table 19. IBM System Storage TS3200 Tape Library Express Seller Model L4U

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573E44*	IBM System Storage TS3200 Tape Library Express Seller Model L4U ¹	SAS	4U Rack	1/48	4/4	1/4	38.4TB/76.8TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4994	SAS/Mini-SAS 4x Interposer							
95P4996	SAS/Mini-SAS 4x Interposer							
95P4998*	LTO Ultrium 3 Half High SCSI Drive Sled							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled							
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled							
95P5006	LTO Ultrium 4 SAS Drive Sled							

Note:
1. Includes tape library with tape drive, one dataÂ cartridge, one cleaning cartridge and one rackÂ mount kit. No line cord provided.

Table 20. IBM System Storage TS3200 Tape Library Express Model L4H

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573L4H*	IBM System Storage TS3200 Tape Library Express Model L4H1	LVD SCSI	4U Rack	1/48	4/4	1/2	38.4 TB/ 79.8 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10.0 m VHDCI/HD68 SCSI Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled							
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled							
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled							
95P5006	LTO Ultrium 4 SAS Drive Sled							

Note:

1. Includes tape library with tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

Table 21. IBM System Storage TS3200 Tape Library Express Model F4H

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573F4H*	IBM System Storage TS3200 Tape Library Express Model F4H1	4Gbps Fibre	4U Rack	1/48	4/4	1/2	38.4 TB/76.8 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7136*	5 m LC/LC Fibre Cable							
23R7137	13 m LC/LC Fibre Cable							
23R7138	25 m LC/LC Fibre Cable							
23R7140	LC/FC Fibre Cable Interposer							

23R7141	2.8 m Power Cord 125V US/Canada
23R7143*	1.8 m Power Cord 125V Chicago
23R7145	2.8 m Power Cord 250V US/Canada
23R7260*	Ultrium 3LVD SCSI Tape Drive
23R7261*	Ultrium 3 Fibre Tape Drive
23R7262	Additional Power Supply
45E2225	3573 Left Upper 4U Magazine
45E2231	3573 Left Lower 4U Magazine
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled
45E3081	Transparent LTO Encryption
45E9503	Path Failover
46C2084	Ultrium 5 Data Cartridges 5-Pack
46X2682	LTO Ultrium 5 Fibre Channel Drive
46X2683	LTO Ultrium 5 SAS Channel Drive
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled
46X2685	LTO Ultrium 5 Half High SAS Drive Sled
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled
95P2020	Ultrium 3 Data Cartridges 5-pack
95P4278	Ultrium 4 Data Cartridges 5-Pack
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library with tape drive, one data cartridge and one cleaning cartridge. No line cord provided.

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Table 22. IBM System Storage TS3200 Tape Library Express Model S4H

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3573S4H*	IBM System Storage TS3200 Tape Library Express Model S4H1	SAS	4U Rack	1/48	4/4	1/2	38.4 TB/76.8 TB	120/240
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							

95P2020	Ultrium 3 Data Cartridges 5-pack
95P4278	Ultrium 4 Data Cartridges 5-Pack
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4994	SAS/Mini-SAS 4x Interposer
95P4996	SAS/Mini-SAS 4x Interposer
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library with tape drive, one dataÂ cartridge and one cleaning cartridge. No line cord provided.

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Table 23. TS3200 Tape Library Model L4U Driveless

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
35734UL	TS3200 Tape Library Model L4U Driveless ¹	Driveless	4U Rack	1/48	4/4	0/0	0/0	0/0
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10 m VHDCI/HD68 SCSI Cable							
23R7136*	5 m LC/LC Fibre Cable							
23R7137	13 m LC/LC Fibre Cable							
23R7138	25 m LC/LC Fibre Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
23R7262	Additional Power Supply							
35P1609	LTO Ultrium 6 Fibre Channel Drive							
35P1614	LTO Ultrium 6 SAS Drive Sled							
35P1619	LTO Ultrium 6 Half High SAS Drive Sled							
35P1624	LTO Ultrium 6 Half High Fibre Drive Sled							
35P1902	Ultrium 6 Data Cartridges 5-Pack							
45E2225	3573 Left Upper 4U Magazine							
45E2231	3573 Left Lower 4U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							

95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)
95P4994	SAS/Mini-SAS 4x Interposer
95P4996	SAS/Mini-SAS 4x Interposer
95P4998*	LTO Ultrium 3 Half High SCSI Drive Sled
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library, one data cartridge and one cleaning cartridge.Â No line cord provided.

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Table 24. TS3100 Tape Library Model L2U Driveless

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
35732UL	TS3100 Tape Library Model L2U Driveless ¹	Driveless	2U Rack	1/24	2/2	0/0	0/0	0/0
Related Options								
23R6998	3573 Rack Mount Kit							
23R6999	3573 Right Side Magazine							
23R7000	Rack Device to PDU Line Cord							
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7133*	2.5 m VHDCI/HD68 SCSI Cable							
23R7134	4.5 m VHDCI/HD68 SCSI Cable							
23R7135	10 m VHDCI/HD68 SCSI Cable							
23R7136*	5 m LC/LC Fibre Cable							
23R7137	13 m LC/LC Fibre Cable							
23R7138	25 m LC/LC Fibre Cable							
23R7140	LC/FC Fibre Cable Interposer							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7143*	1.8 m Power Cord 125V Chicago							
23R7145	2.8 m Power Cord 250V US/Canada							
23R7260*	Ultrium 3LVD SCSI Tape Drive							
23R7261*	Ultrium 3 Fibre Tape Drive							
35P1609	LTO Ultrium 6 Fibre Channel Drive							
35P1614	LTO Ultrium 6 SAS Drive Sled							
35P1619	LTO Ultrium 6 Half High SAS Drive Sled							
35P1624	LTO Ultrium 6 Half High Fibre Drive Sled							
35P1902	Ultrium 6 Data Cartridges 5-Pack							
45E2237	3573 Left Side 2U Magazine							
45E2243*	LTO Ultrium 4 Half High SAS Drive Sled							
45E3081	Transparent LTO Encryption							
45E9503	Path Failover							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
46X2682	LTO Ultrium 5 Fibre Channel Drive							
46X2683	LTO Ultrium 5 SAS Channel Drive							
46X2684	LTO Ultrium 5 Half High Fibre Drive Sled							
46X2685	LTO Ultrium 5 Half High SAS Drive Sled							
46X6912	LTO Ultrium 4 Half High Fibre Channel Drive Sled							
46X7117	LTO Ultrium 4 Half High SAS DriveV2 Sled							
46X7122	LTO Ultrium 3 Half High SAS DriveV2 Sled							
95P2020	Ultrium 3 Data Cartridges 5-pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4712*	5.5 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4714*	5.5 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
95P4994	SAS/Mini-SAS 4x Interposer							

95P4996	SAS/Mini-SAS 4x Interposer
95P4998*	LTO Ultrium 3 Half High SCSI Drive Sled
95P5000*	LTO Ultrium 3 Half High SAS Drive Sled
95P5002	LTO Ultrium 4 LVD SCSI Drive Sled
95P5004	LTO Ultrium 4 Fibre Channel Drive Sled
95P5006	LTO Ultrium 4 SAS Drive Sled

Note:
1. Includes tape library, one data cartridge and one cleaning cartridge.Â No line cord provided.

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Table 25. TS2900 Tape Library with LTO5 HH SAS drive & rack mount kit

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3572S5R	TS2900 Tape Library with LTO5 HH SAS drive & rack mount kit ¹	SAS	1U Rack	0/9	1/1	1/1	1.5TB/3.0TB	140MB/280MB
Related Options								
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7145	2.8 m Power Cord 250V US/Canada							
45E3785	3572 Rack Mount Kit							
45E3789	3572 Deskside Covers							
45E3793	3572 Additional Magazine							
45E3797	Transparent LTO Encryption							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
95P2020	Ultrium 3 Data Cartridges 5-Pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable							
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable							

Note:
1. Includes tape library with LTO5 tape drive and one cleaning cartridge and rack mounting hardware.Â No line cord provided.

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Table 26. TS2900 Tape Library with LTO6 HH SAS drive & rack mount kit

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
3572S6R	TS2900 Tape Library with LTO6 HH SAS drive & rack mount kit ¹	SAS	1U Rack	0/9	1/1	1/1	2.5TB / 6.25TB	140/160
Related Options								
23R7008	Ultrium Cleaning Cartridge L1 UCC							
23R7141	2.8 m Power Cord 125V US/Canada							
23R7145	2.8 m Power Cord 250V US/Canada							
35P1902	Ultrium 6 Data Cartridges 5-Pack							
45E3785	TS2900 Rack Mount Kit							
45E3789	TS2900 Deskside Covers							
45E3793	TS2900 Additional Magazine							
45E3797	Transparent LTO Encryption							
46C2084	Ultrium 5 Data Cartridges 5-Pack							
95P2020	Ultrium 3 Data Cartridges 5-Pack							
95P4278	Ultrium 4 Data Cartridges 5-Pack							
95P4711	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
95P4713	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							

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Table 27. TS3100 Tape Library Model L2U

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
61732UL	TS3100 Tape Library Model L2U	-	2U	-	-	-	-	-

Related Options	
00NA017	Ultrium Cleaning Cartridge L1 UCC
00NA021	Ultrium 4 Data Cartridges 5-Pack
00NA023	Ultrium 5 Data Cartridges 5-Pack
00NA025	Ultrium 6 Data Cartridges 5-Pack
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
00NA071	Additional Power Supply for TS3200
00NA089	6173 Rack Mount Kit
00NA091	6173 Right Side Tape Magazine
00NA093	6173 Left Upper 4U Tape Magazine
00NA095	6173 Left Lower 4U Tape Magazine
00NA097	6173 Left Side 2U Tape Magazine
00NA099	6173 LTO Ultrium 4 LVD SCSI Drive Sled
00NA101	6173 LTO Ultrium 4 Fibre Channel Drive Sled
00NA103	6173 LTO Ultrium 4 Half High Fibre Channel Drive Sled
00NA105	6173 LTO Ultrium 4 Half High SAS DriveV2 Sled
00NA107	6173 LTO Ultrium 5 Fibre Channel Drive
00NA109	6173 LTO Ultrium 5 SAS Drive Sled
00NA111	6173 LTO Ultrium 5 Half High SAS Drive Sled
00NA113	6173 LTO Ultrium 5 Half High Fibre Drive Sled
00NA115	6173 LTO Ultrium 6 Fibre Channel Drive
00NA117	6173 LTO Ultrium 6 Half High SAS Drive Sled
00NA119	6173 LTO Ultrium 6 Half High Fibre Drive Sled
00NA121	6173 LTO Ultrium 4 SAS Drive Sled

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Table 28. TS3200 Tape Library Model L4U

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
61734UL	TS3200 Tape Library Model L4U	-	4U	-	-	-	-	-
Related Options								
00NA017	Ultrium Cleaning Cartridge L1 UCC							
00NA021	Ultrium 4 Data Cartridges 5-Pack							
00NA023	Ultrium 5 Data Cartridges 5-Pack							
00NA025	Ultrium 6 Data Cartridges 5-Pack							
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord							
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord							
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord							
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord							
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord							
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord							

00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
00NA071	Additional Power Supply for TS3200
00NA089	6173 Rack Mount Kit
00NA091	6173 Right Side Tape Magazine
00NA093	6173 Left Upper 4U Tape Magazine
00NA095	6173 Left Lower 4U Tape Magazine
00NA097	6173 Left Side 2U Tape Magazine
00NA099	6173 LTO Ultrium 4 LVD SCSI Drive Sled
00NA101	6173 LTO Ultrium 4 Fibre Channel Drive Sled
00NA103	6173 LTO Ultrium 4 Half High Fibre Channel Drive Sled
00NA105	6173 LTO Ultrium 4 Half High SAS DriveV2 Sled
00NA107	6173 LTO Ultrium 5 Fibre Channel Drive
00NA109	6173 LTO Ultrium 5 SAS Drive Sled
00NA111	6173 LTO Ultrium 5 Half High SAS Drive Sled
00NA113	6173 LTO Ultrium 5 Half High Fibre Drive Sled
00NA115	6173 LTO Ultrium 6 Fibre Channel Drive
00NA117	6173 LTO Ultrium 6 Half High SAS Drive Sled
00NA119	6173 LTO Ultrium 6 Half High Fibre Drive Sled
00NA121	6173 LTO Ultrium 4 SAS Drive Sled

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Table 29. IBM TS2900 Tape Autoloader w/LT04 HH SAS								
Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
6171S4R	IBM TS2900 Tape Autoloader w/LT04 HH SAS	SAS	1U Rack	0/9	1/1	1/1	7.2/14.4TB	120/240
Related Options								
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
00NA011	6171 Transparent LTO Encryption							
00NA013	6171 Rack Mount Kit							
00NA015	6171 Deskside Covers							
00NA017	Ultrium Cleaning Cartridge L1 UCC							
00NA019	6171 Additional Tape Magazine							
00NA021	Ultrium 4 Data Cartridges 5-Pack							
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord							
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord							
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord							
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord							
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord							
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord							
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord							
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord							
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord							
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord							
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord							
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord							
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord							

00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord

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Table 30. IBM TS2900 Tape Autoloader w/LT05 HH SAS

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
6171S5R	IBM TS2900 Tape Autoloader w/LT05 HH SAS	SAS	1U Rack	0/9	1/1	1/1	1.5TB/3.0TB	140MB/280MB
Related Options								
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
00NA011	6171 Transparent LTO Encryption							
00NA013	6171 Rack Mount Kit							
00NA015	6171 Deskside Covers							
00NA017	Ultrium Cleaning Cartridge L1 UCC							
00NA019	6171 Additional Tape Magazine							
00NA021	Ultrium 4 Data Cartridges 5-Pack							
00NA023	Ultrium 5 Data Cartridges 5-Pack							
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord							
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord							
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord							
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord							
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord							
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord							
00NA039	2.8m, 10A/230V, C13 to SAB5 164 (South Africa) Line Cord							
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord							
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord							
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord							
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord							
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord							
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord							
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord							
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord							
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord							
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord							
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord							

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Table 31. IBM TS2900 Tape Autoloader w/LT06 HH SAS

Option number	Description	Storage interface	Form factor	Data cartridges (std/max)	Cartridge Mags (std/max)	Quantity of drives (std/max)	Max. storage - native/compressed	MB/sec - native/compressed ¹
6171S6R	IBM TS2900 Tape Autoloader w/LT06 HH SAS	SAS	1U Rack	0/9	1/1	1/1	2.5TB / 6.25TB	140/160
Related Options								
00NA007	2 m SAS/Mini-SAS 1x Cable (host SFF-8470 to target SFF-8088)							
00NA009	2 m Mini-SAS/Mini-SAS 1x Cable (host SFF-8088 to target SFF-8088)							
00NA011	6171 Transparent LTO Encryption							
00NA013	6171 Rack Mount Kit							
00NA015	6171 Deskside Covers							
00NA017	Ultrium Cleaning Cartridge L1 UCC							
00NA019	6171 Additional Tape Magazine							
00NA021	Ultrium 4 Data Cartridges 5-Pack							
00NA023	Ultrium 5 Data Cartridges 5-Pack							
00NA025	Ultrium 6 Data Cartridges 5-Pack							

00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord
00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord

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* Lenovo has withdrawn this product from marketing.

External tape and tape library attributes

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Ext tape drives	Ext tape libraries	Ext tape enclosures

Table 1. IBM 1U Tape Drive External Enclosure

Option number	Description	Form factor	Quantity of drives (std/max) ²
87651UX*	IBM 1U Tape Drive External Enclosure ¹	1U RackÂ Mount	2
Related Options			
39M5636	IBM DDS Generation 6 USB Tape Drive		
39M5656	36/72GB DDS Generation 5 Tape Drive		
40K2599*	IBM SAS Enclosure Adapter Kit		
43W8478	IBM Half High LTO Gen 3 SAS Tape Drive		
43W8480	IBM DDS Gen 5 SATA Tape Drive		
44E8869*	USB Enclosure Adapter Kit ²		
44E8895*	IBM Half-high LTO Gen 4 SAS Tape Drive		
46C5367	IBM RDX 320GB Cartridge		
46C5368	IBM RDX 500GB Cartridge		
46C5399	IBM DDS Generation 5 USB Tape Drive		
49Y9892	IBM DDS Generation 5 Cleaning Cartridge		
49Y9893*	IBM LTO Universal Cleaning Cartridge		
49Y9894	IBM DDS Generation 6 Cleaning Cartridge		
49Y9898	IBM Half High LTO Gen 5 Internal SAS Tape Drive		
81Y3647	IBM RDX 1TB Cartridge		

Notes:

1. Ships standard with tape enclosure, rack mounting hardware, 125V US power cord, and rack to PDU power cord.
2. One tape enclosure adapter kit required for each tape drive to be installed.

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Table 2. IBM Half High Tape Drive External Enclosure

Option number	Description	Form factor	Quantity of drives (std/max) ²
8767HHX*	IBM Half High Tape Drive External Enclosure ¹	Half HighÂ Stand-alone	1
Related Options			
39M5636	IBM DDS Generation 6 USB Tape Drive		
39M5656	36/72GB DDS Generation 5 Tape Drive		
40K2599*	IBM SAS Enclosure Adapter Kit		
43W8478	IBM Half High LTO Gen 3 SAS Tape Drive		
43W8480	IBM DDS Gen 5 SATA Tape Drive		
44E8869*	USB Enclosure Adapter Kit		
44E8895*	IBM Half-high LTO Gen 4 SAS Tape Drive		
46C5366*	IBM RDX 160GB Cartridge ²		
46C5367	IBM RDX 320GB Cartridge		
46C5368	IBM RDX 500GB Cartridge		
46C5399	IBM DDS Generation 5 USB Tape Drive		
49Y9892	IBM DDS Generation 5 Cleaning Cartridge		
49Y9893*	IBM LTO Universal Cleaning Cartridge		
49Y9894	IBM DDS Generation 6 Cleaning Cartridge		
49Y9898	IBM Half High LTO Gen 5 Internal SAS Tape Drive		
81Y3647	IBM RDX 1TB Cartridge		

- Notes:
- 1. Ships standard with tape enclosure and 125V US power cord.
 - 2. One tape enclosure adapter kit required for each tape drive to be installed.

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Table 3. IBM System Storage 7226 Model 1U3 Multi-Media Enclosure

Option number	Description	Form factor	Quantity of drives (std/max) ²
72261UX	IBM System Storage 7226 Model 1U3 Multi-Media Enclosure	1U	2/4 ⁷
Related Options			
23R7000	Rack Device to PDU Line Cord		
23R7008	Ultrium Cleaning Cartridge L1 UCC6		
23R7141	2.8 m Power Cord 125V US/Canada		
23R7145	2.8 m Power Cord 250V US/Canada		
35P1902	Ultrium 6 Data Cartridges 5-Pack		
46C2084	Ultrium 5 Data Cartridges 5-Pack6		
46C2620*	LTO Ultrium 5 Half High SAS Drive		
46C2621	LTO Ultrium 5 Half High Fibre Channel Drive		
46C2622*	USB 2.0 DAT160 Tape Drive (Power Sys)		
46C2623*	SAS DAT160 Tape Drive		
46C2625	1st SATA DVD-RAM Drive2		
46C2626	1st USB 2.0 DVD-RAM Drive2		
46C2630	500GB RDX Cart.		
46C2631	1TB RDX Cart.		
46C2632	Quad SAS Cable1		
46C2648	2nd SATA DVD-RAM Drive3		
46C2649	2nd USB 2.0 DVD-RAM Drive4		
46C2654*	RDX USB 2.0 Dock/500GB Cart Bundle		
46C2655*	RDX USB 2.0 Dock/1.0TB Cart Bundle		
46C2656	RDX USB 3.0 Dock/320GB Cart Bundle		
46C2657	RDX USB 3.0 Dock/500GB Cart Bundle		
46C2658	RDX USB 3.0 Dock/1.0TB Cart Bundle		
46C2661	320GB RDX Cart		
46C2662*	DAT160 Cartridge, 5-pack5		
46C2663*	DAT160 Clean Cartridge5		
46C2856	1.5 TB RDX Data Cartridge		
46C2857*	SAS HHLTO6 Tape Drive		
46C2858	LTO Ultrium 6 Half High Fibre Drive Sled		
46C2924	Mini-SAS to Mini-SAS Cable		
46C2925	HD-SAS to Mini-SAS Cable		
46C2926	Y-SAS HD to Mini-SAS Cable		
46C2927	SAS HHLTO5 Tape Drive		
46C2928	SAS HHLTO6 Tape Drive		

- Notes:
- 1. SAS Tape or DVD must be installed
 - 2. Up to 2 with 1 RDX dock or tape drive; up to 4 with 0 RDX dock or tape drives
 - 3. Up to 2; Must have PN 46C2625
 - 4. Up to 2; Must have PN 46C2626
 - 5. PN 46C2623 or PN 46C2622 must be installed
 - 6. PN 46C2620 or PN 46C2621 must be installed
 - 7. Up to 2 max total RDX docks and tape drives; up to 4 max DVD-RAM drives

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Table 4. IBM Multimedia Backup Enclosure

Option number	Description	Form factor	Quantity of drives (std/max) ²
61901UX	IBM Multimedia Backup Enclosure	1U3	-
Related Options			
00NA017	Ultrium Cleaning Cartridge L1 UCC		
00NA023	Ultrium 5 Data Cartridges 5-Pack		
00NA025	Ultrium 6 Data Cartridges 5-Pack		
00NA027	2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord		
00NA029	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord		

00NA031	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord
00NA033	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord
00NA035	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord
00NA037	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord
00NA039	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord
00NA041	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord
00NA043	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord
00NA045	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
00NA047	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord
00NA049	2.8m, 10A/220V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA051	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord
00NA053	2.8m, 10A/110V, C13 to CNS 10917-3 (Taiwan) Line Cord
00NA055	2.8m, 12A/100V, C13 to JIS C-8303 (Japan) Line Cord
00NA057	2.8m, 12A/220V, C13 to KSC 8305 (S. Korea) Line Cord
00NA059	2.8m, 10A/240V, C13 to IS 6538 (India) Line Cord
00NA061	2.8m, 10A/220V, C13 to NBR 6147 (Brazil) Line Cord
00NA063	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
00NV413	320GB RDX Cart
00NV414	500GB RDX Cart.
00NV415	1TB RDX Cart.
00NV418	Mini-SAS to Mini-SAS Cable
00NV419	HD-SAS Cable to Mini-SAS
00NV420	Y SAS HD to Mini-SAS Cable
00NV430	2 TB RDX Data Cartridge

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* Lenovo has withdrawn this product from marketing.

Lenovo System x Top of Rack

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Systems x Networking
- Systems Networking

Table 1.IBM System Networking RackSwitch G8000 (rear to front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
0446013	IBM System Networking RackSwitch G8000 (rear to front)	48/48	0
Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	44	-
40K5679	0.6m Blue Cat5e Cable	44	-
40K8785	1.5m Blue Cat5e Cable	44	-
40K8927	10m Blue Cat5e Cable	44	-
40K8930	25m Blue Cat5e Cable	44	-
46C3417	IBM RackSwitch 10Gb Dual-Port SFP+ Uplink Module	2	-
46C3421	IBM RackSwitch 10Gb Dual-Port CX4 Uplink Module	2	-
46C3447	IBM SFP+ SR Transceiver	4	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	2	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	2	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	2	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	2	-
90Y9462	Console Cable Kit Spare	-	-

- Notes:
- Each RJ45 port allows selection of 1 Cat5E cable.
 - SFP+ Transceiver requires optical Cables
 - SFP+ Transceiver installs into SFP+ ports and accepts Optical Cabling
 - Supports two uplink modules providing up to four 10GbE ports.
 - BNT8000 ships without power cords. Two power cords should be ordered at no charge.

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Table 2.IBM System Networking RackSwitch G8000 (front to rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7309CFC	IBM System Networking RackSwitch G8000 (front to rear)	48/52	4/8	0/4
Related Options		Max Qty		
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
40K5581	3m Blue Cat5e Cable	52	-	
40K5679	0.6m Blue Cat5e Cable	52	-	
40K8785	1.5m Blue Cat5e Cable	52	-	
40K8927	10m Blue Cat5e Cable	52	-	
40K8930	25m Blue Cat5e Cable	52	-	
46C3447	IBM SFP+ SR Transceiver	4	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
81Y1618*	IBM SFP RJ45 Transceiver	8	-	
81Y1622	IBM SFP SX Transceiver	8	-	
88Y6851	1m LC-LC Fiber Cable (networking)	8	-	

88Y6854	5m LC-LC Fiber Cable (networking)	8	-
88Y6857	25m LC-LC Fiber Cable (networking)	8	-
90Y9412	IBM SFP+ LR Transceiver	4	-
90Y9415	IBM SFP+ ER Transceiver	4	-
90Y9418*	IBM BNT SFP ZX Transceiver	8	-
90Y9424	IBM SFP LX Transceiver	8	-
90Y9427	1m IBM Passive DAC SFP+ Cable	4	-
90Y9430	3m IBM Passsive DAC SFP+ Cable	4	-
90Y9433	5m IBM Passive DAC SFP+ Cable	4	-
90Y9436*	8.5m IBM Passive DAC SFP+ Cable	4	-
90Y9462	Console Cable Kit Spare	-	-

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Table 3.IBM System Networking RackSwitch G8000 (DC Power)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7309CD8*	IBM System Networking RackSwitch G8000 (DC Power)	48/52	4/8	0/4
Related Options		Max Qty		
40K5581	3m Blue Cat5e Cable	52	-	
40K5679	0.6m Blue Cat5e Cable	52	-	
40K8785	1.5m Blue Cat5e Cable	52	-	
40K8927	10m Blue Cat5e Cable	52	-	
40K8930	25m Blue Cat5e Cable	52	-	
46C3447	IBM SFP+ SR Transceiver	4	-	
49Y4284*	IBM 19" Flexible 4 Post Rail Kit	1	-	
81Y1618*	IBM SFP RJ45 Transceiver	8	-	
81Y1622	IBM SFP SX Transceiver	8	-	
88Y6851	1m LC-LC Fiber Cable (networking)	8	-	
88Y6854	5m LC-LC Fiber Cable (networking)	8	-	
88Y6857	25m LC-LC Fiber Cable (networking)	8	-	
90Y9412	IBM SFP+ LR Transceiver	4	-	
90Y9415	IBM SFP+ ER Transceiver	4	-	
90Y9418*	IBM BNT SFP ZX Transceiver	8	-	
90Y9424	IBM SFP LX Transceiver	8	-	
90Y9427	1m IBM Passive DAC SFP+ Cable	4	-	
90Y9430	3m IBM Passsive DAC SFP+ Cable	4	-	
90Y9433	5m IBM Passive DAC SFP+ Cable	4	-	
90Y9436*	8.5m IBM Passive DAC SFP+ Cable	4	-	
90Y9462	Console Cable Kit Spare	-	-	

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Table 6.IBM BNT RackSwitch G8124R

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
0446017*	IBM BNT RackSwitch G8124R	24/24	0
Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
46C3447	IBM SFP+ SR Transceiver	24	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	24	-
90Y9462	Console Cable Kit Spare	-	-

Notes:
1. SFP+ Transceiver installs into SFP+ ports and accepts Optical Cabling
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2. Each B24X port will required DAC cable (unless using SFP+ Transceivers)

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Table 7.IBM BNT RackSwitch G8124F

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7309BF9	IBM BNT RackSwitch G8124F	24/24	24/24	24/24
Related Options		Max Qty		
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
40K5581	3m Blue Cat5e Cable	26	-	
40K5679	0.6m Blue Cat5e Cable	26	-	
40K8785	1.5m Blue Cat5e Cable	26	-	
40K8927	10m Blue Cat5e Cable	26	-	
40K8930	25m Blue Cat5e Cable	26	-	
46C3447	IBM SFP+ SR Transceiver	24	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
81Y1618*	IBM SFP RJ45 Transceiver	24	-	
81Y1622	IBM SFP SX Transceiver	24	-	
88Y6851	1m LC-LC Fiber Cable (networking)	24	-	
88Y6854	5m LC-LC Fiber Cable (networking)	24	-	
88Y6857	25m LC-LC Fiber Cable (networking)	24	-	
90Y9412	IBM SFP+ LR Transceiver	24	-	
90Y9415	IBM SFP+ ER Transceiver	24	-	
90Y9418*	IBM BNT SFP ZX Transceiver	24	-	
90Y9424	IBM SFP LX Transceiver	24	-	
90Y9427	1m IBM Passive DAC SFP+ Cable	24	-	
90Y9430	3m IBM Passsive DAC SFP+ Cable	24	-	
90Y9433	5m IBM Passive DAC SFP+ Cable	24	-	
90Y9436*	8.5m IBM Passive DAC SFP+ Cable	24	-	
90Y9462	Console Cable Kit Spare	-	-	

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Table 10.IBM System Networking RackSwitch G8124 (DC Power)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7309BD5*	IBM System Networking RackSwitch G8124 (DC Power)	24/24	24/24	24/24
Related Options		Max Qty		
40K5581	3m Blue Cat5e Cable	26	-	
40K5679	0.6m Blue Cat5e Cable	26	-	
40K8785	1.5m Blue Cat5e Cable	26	-	
40K8927	10m Blue Cat5e Cable	26	-	
40K8930	25m Blue Cat5e Cable	26	-	
46C3447	IBM SFP+ SR Transceiver	24	-	
81Y1618*	IBM SFP RJ45 Transceiver	24	-	
81Y1622	IBM SFP SX Transceiver	24	-	
88Y6851	1m LC-LC Fiber Cable (networking)	24	-	
88Y6854	5m LC-LC Fiber Cable (networking)	24	-	
88Y6857	25m LC-LC Fiber Cable (networking)	24	-	
90Y9412	IBM SFP+ LR Transceiver	24	-	
90Y9415	IBM SFP+ ER Transceiver	24	-	
90Y9418*	IBM BNT SFP ZX Transceiver	24	-	
90Y9424	IBM SFP LX Transceiver	24	-	
90Y9427	1m IBM Passive DAC SFP+ Cable	24	-	
90Y9430	3m IBM Passsive DAC SFP+ Cable	24	-	
90Y9433	5m IBM Passive DAC SFP+ Cable	24	-	

90Y9436*	8.5m IBM Passive DAC SFP+ Cable	24	-
90Y9462	Console Cable Kit Spare	-	-

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Table 13.IBM System Networking RackSwitch G8316 (rear to front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
8036ARX	IBM System Networking RackSwitch G8316 (rear to front)	-	-	16/16
Related Options		Max Qty		
00D5810	5m IBM QSFP+ to QSFP+ Cable	16	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	16	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D9676	25m LC-LC Fiber Cable (networking)	16	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46C3447	IBM SFP+ SR Transceiver	16	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y4284*	IBM 19" Flexible 4 Post Rail Kit	1	-	
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	16	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	16	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	16	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	16	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	16	-	
49Y7891	3m IBM QSFP+-to-QSFP+ cable	16	-	
49Y7938	Hot-Swappable, Rear-to-Front Power Supply Spare	-	-	
88Y6026	Hot-Swappable, Rear-to-Front Fan Assembly Spare	-	-	
88Y6851	1m LC-LC Fiber Cable (networking)	16	-	
88Y6854	5m LC-LC Fiber Cable (networking)	16	-	
88Y6857	25m LC-LC Fiber Cable (networking)	16	-	
90Y3519	10m IBM QSFP+ MTP Optical cable	16	-	
90Y3521	30m IBM QSFP+ MTP Optical cable	16	-	
90Y9412	IBM SFP+ LR Transceiver	16	-	
90Y9462	Console Cable Kit Spare	-	-	
90Y9476*	IBM RackSwitch G8316 1 Year SW Upgrade	-	-	

Notes:

1. Each QSFP+ port can accept either one QSFP to QSFP cable or one QSFP+ DAC Breakout cable or one QSFP+ transceiver + MTP fiber cable
2. Selection of qty=2 power cables required per BNT RackSwitch G8316R for standard power supplies.
3. Each QSFP+ transceiver can accept QTY=1 MTP QSFP+ optical cable.

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Table 14.IBM System Networking RackSwitch G8316 (front to rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
8036AFX	IBM System Networking RackSwitch G8316 (front to rear)	-	-	16/16
Related Options		Max Qty		
00D5810	5m IBM QSFP+ to QSFP+ Cable	16	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	16	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D9676	25m LC-LC Fiber Cable (networking)	16	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46C3447	IBM SFP+ SR Transceiver	16	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y4284*	IBM 19" Flexible 4 Post Rail Kit	1	-	

49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	16	-
49Y7886	1m IBM QSFP+ DAC Break Out Cable	16	-
49Y7887	3m IBM QSFP+ DAC Break Out Cable	16	-
49Y7888	5m IBM QSFP+ DAC Break Out Cable	16	-
49Y7890	1m IBM QSFP+-to-QSFP+ cable	16	-
49Y7891	3m IBM QSFP+-to-QSFP+ cable	16	-
49Y7937	Hot-Swappable, Front-to-Rear Power Supply Spare	-	-
49Y7939	Hot-Swappable, Front-to-Rear Fan Assembly Spare	-	-
88Y6851	1m LC-LC Fiber Cable (networking)	16	-
88Y6854	5m LC-LC Fiber Cable (networking)	16	-
88Y6857	25m LC-LC Fiber Cable (networking)	16	-
90Y3519	10m IBM QSFP+ MTP Optical cable	16	-
90Y3521	30m IBM QSFP+ MTP Optical cable	16	-
90Y9412	IBM SFP+ LR Transceiver	16	-
90Y9462	Console Cable Kit Spare	-	-
90Y9476*	IBM RackSwitch G8316 1 Year SW Upgrade	-	-

- Notes:**
1. Each QSFP+ port can accept either one QSFP to QSFP cable or one QSFP+ DAC Breakout cable or one QSFP+ transceiver + MTP fiber cable
 2. Selection of qty=2 power cables required per BNT RackSwitch G8316F for standard power supplies.
 3. Each QSFP+ transceiver can accept QTY=1 MTP QSFP+ optical cable.

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Table 17.IBM Ethernet Switch B24X

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
0563012*	IBM Ethernet Switch B24X	24/24	0
Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	5	-
40K5679	0.6m Blue Cat5e Cable	5	-
40K8785	1.5m Blue Cat5e Cable	5	-
40K8927	10m Blue Cat5e Cable	5	-
40K8930	25m Blue Cat5e Cable	5	-
69Y0373	B24X 300w Power Supply	2	-
69Y0389	SFP+ Transceiver 10GbE SR 300m MMF	24	-

- Notes:**
1. Each SFP+ port allows selection of =1 DAC cable or SFP+ Transceiver with Optical Cable
 2. Min=1 power cable is required per B24Y Switch for standard power supply.
 3. If Power Supply 69Y0373 is selected, Min=1; Max=2

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Table 18.IBM Ethernet Switch (J48E)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
427348E*	IBM Ethernet Switch (J48E)	48/48	0
Related Options		Max Qty	
45W4437*	Exx 320W AC Power supply	1	-
45W4453*	Exx Uplink Module 2x10G / 4x1G	1	-
45W4475*	1GE Copper RJ-45 100m SFP	4	-
45W4573*	E48 Switch Adv Features	1	-
45W4743*	10GE SR SFP+	2	-
45W4744*	10GE LR 10km SFP+	2	-
45W5960*	Exx 4 Post Rack Mount Kit	1	-
45W5961*	1m VCP Copper Cable	1	-
45W5962*	3m VCP Copper Cable	1	-
45W5963*	5m VCP Copper Cable	1	-

- Notes:**
1. Each RJ45 port allows selection of 1 Cat5E cable.
 2. SFP+ Transceiver requires DAC Cables
 3. SFP+ Transceiver installs into SFP+ ports and accepts DAC Cabling
 4. Supports one uplink modules providing up to two 10GbE ports.
 5. Min=1 power cable is required per B48Y Switch for standard power supply.
 6. If Power Supply 45W4437 is selected, Min=1; Max=2
 7. J48E ships standard with .5m VC Cable

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Table 19.Juniper Networks EX4500 10 GbE Switch (Front to Back Airflow)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
0719410*	Juniper Networks EX4500 10 GbE Switch (Front to Back Airflow)	2	40
Related Options		Max Qty	
39Y7916	2.5m, 16A/100-240V, C19 to IEC 320-C20 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	2	-
40K5679	0.6m Blue Cat5e Cable	2	-
40K8785	1.5m Blue Cat5e Cable	2	-
40K8927	10m Blue Cat5e Cable	2	-
40K8930	25m Blue Cat5e Cable	2	-
68Y6923*	Juniper SFP+ SR 10GbE Transceiver	48	-
68Y6927*	SFP+ 10 GbE Passive DAC 1m (Juniper Twinax Copper Cable)	48	-
68Y6947	SFP+ 10 GbE Passive DAC 3m (Juniper Twinax Copper Cable)	48	-
68Y6999*	SFP+ 10 GbE Passive DAC 7m (Juniper Twinax Copper Cable)	48	-
81Y8285*	EX4500 1200W AC power supply-front to back airflow, 1 power cord	1	-
81Y8295	1m 10GE Twinax Act Copper SFP+	48	-
81Y8296	3m 10GE Twinax Act Copper SFP+	48	-
81Y8297	5m 10GE Twinax Act Copper SFP+	48	-
81Y8298*	EX4500 4-post rack mount kit (supports IC 1410)	1	-
88Y6836*	1000B-SX GbE 850nm 550m SFP	48	-
88Y6839*	1000B-LX GbE 1310nm 10km SFP	48	-
88Y6851	1m LC-LC Fiber Cable (networking)	48	-
88Y6854	5m LC-LC Fiber Cable (networking)	48	-
88Y6857	25m LC-LC Fiber Cable (networking)	48	-
88Y6863*	EX4200/EX4500 128G VC cable 0.5M	2	-
88Y6877*	10GE Long Reach 1310nm 10km SFP+	48	-
88Y6887*	Juniper Advance Features (Layer 3)	1	-
88Y6890*	EX4200/EX4500 128G Virtual Chassis Port cable 1M	2	-
88Y6894*	EX4200/EX4500 128G Virtual Chassis Port cable 3M	2	-
88Y6898*	EX4200/EX4500 128G Virtual Chassis Port cable 5M	2	-
88Y6913	AC Power Cable - EU (16A/250V, 2.5m)	2	-
95Y0356	EX4500 4-post rack mount kit for iDataPlex	1	-
95Y0509	EX4500 1200W AC power supply (front to back airflow)	1	-

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Table 20.Juniper Networks EX4500 10 GbE Switch (Back to Front Airflow)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
0719420*	Juniper Networks EX4500 10 GbE Switch (Back to Front Airflow)	2	40
Related Options		Max Qty	
39Y7916	2.5m, 16A/100-240V, C19 to IEC 320-C20 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	2	-
40K5679	0.6m Blue Cat5e Cable	2	-
40K8785	1.5m Blue Cat5e Cable	2	-
40K8927	10m Blue Cat5e Cable	2	-
40K8930	25m Blue Cat5e Cable	2	-
68Y6923*	Juniper SFP+ SR 10GbE Transceiver	48	-
68Y6927*	SFP+ 10 GbE Passive DAC 1m (Juniper Twinax Copper Cable)	48	-

68Y6947	SFP+ 10 GbE Passive DAC 3m (Juniper Twinax Copper Cable)	48	-
68Y6999*	SFP+ 10 GbE Passive DAC 7m (Juniper Twinax Copper Cable)	48	-
81Y8286*	EX4500 1200W AC power supply-back to front airflow, 1 power cord	1	-
81Y8295	1m 10GE Twinax Act Copper SFP+	48	-
81Y8296	3m 10GE Twinax Act Copper SFP+	48	-
81Y8297	5m 10GE Twinax Act Copper SFP+	48	-
81Y8298*	EX4500 4-post rack mount kit (supports IC 1410)	1	-
88Y6836*	1000B-SX GbE 850nm 550m SFP	48	-
88Y6839*	1000B-LX GbE 1310nm 10km SFP	48	-
88Y6851	1m LC-LC Fiber Cable (networking)	48	-
88Y6854	5m LC-LC Fiber Cable (networking)	48	-
88Y6857	25m LC-LC Fiber Cable (networking)	48	-
88Y6863*	EX4200/EX4500 128G VC cable 0.5M	2	-
88Y6877*	10GE Long Reach 1310nm 10km SFP+	48	-
88Y6887*	Juniper Advance Features (Layer 3)	1	-
88Y6890*	EX4200/EX4500 128G Virtual Chassis Port cable 1M	2	-
88Y6894*	EX4200/EX4500 128G Virtual Chassis Port cable 3M	2	-
88Y6898*	EX4200/EX4500 128G Virtual Chassis Port cable 5M	2	-
88Y6913	AC Power Cable - EU (16A/250V, 2.5m)	2	-
95Y0510	EX4500 1200W AC power supply (back to front airflow)	1	-

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Table 21.Juniper 24 Port 1Gb EX2200 Ethernet Switch for IBM System x

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
6630010*	Juniper 24 Port 1Gb EX2200 Ethernet Switch for IBM System x	24/24	4
Related Options		Max Qty	
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	1	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1	-
40K5581	3m Blue Cat5e Cable	30	-
40K5679	0.6m Blue Cat5e Cable	30	-
40K8785	1.5m Blue Cat5e Cable	30	-
40K8927	10m Blue Cat5e Cable	30	-
40K8930	25m Blue Cat5e Cable	30	-
88Y6830*	100B-FX 100Mb 1310nm 2km SFP	4	-
88Y6833*	1GE Copper RJ-45 100m SFP	4	-
88Y6836*	1000B-SX GbE 850nm 550m SFP	4	-
88Y6839*	1000B-LX GbE 1310nm 10km SFP	4	-
88Y6842*	1000B-LH GbE 1550nm 70km SFP	4	-
88Y6845*	100BASE-BX, TX1310nm/RX1550 nm 20km SM SFP	4	-
88Y6848*	100BASE-BX, TX1550nm/RX1310 nm 20km SM SFP	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-

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Table 22.Juniper 24 Port 1Gb EX2200 Ethernet Switch with PoE for IBM System x

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
6630011*	Juniper 24 Port 1Gb EX2200 Ethernet Switch with PoE for IBM System x	24/24	4
Related Options		Max Qty	
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	1	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1	-
40K5581	3m Blue Cat5e Cable	30	-

40K5679	0.6m Blue Cat5e Cable	30	-
40K8785	1.5m Blue Cat5e Cable	30	-
40K8927	10m Blue Cat5e Cable	30	-
40K8930	25m Blue Cat5e Cable	30	-
88Y6830*	100B-FX 100Mb 1310nm 2km SFP	4	-
88Y6833*	1GE Copper RJ-45 100m SFP	4	-
88Y6836*	1000B-SX GbE 850nm 550m SFP	4	-
88Y6839*	1000B-LX GbE 1310nm 10km SFP	4	-
88Y6842*	1000B-LH GbE 1550nm 70km SFP	4	-
88Y6845*	100BASE-BX, TX1310nm/RX1550 nm 20km SM SFP	4	-
88Y6848*	100BASE-BX, TX1550nm/RX1310 nm 20km SM SFP	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-

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Table 23.Juniper 48 Port 1Gb EX2200 Ethernet Switch for IBM System x

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
6630012*	Juniper 48 Port 1Gb EX2200 Ethernet Switch for IBM System x	48/48	4
Related Options		Max Qty	
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	1	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1	-
40K5581	3m Blue Cat5e Cable	54	-
40K5679	0.6m Blue Cat5e Cable	54	-
40K8785	1.5m Blue Cat5e Cable	54	-
40K8927	10m Blue Cat5e Cable	54	-
40K8930	25m Blue Cat5e Cable	54	-
88Y6830*	100B-FX 100Mb 1310nm 2km SFP	4	-
88Y6833*	1GE Copper RJ-45 100m SFP	4	-
88Y6836*	1000B-SX GbE 850nm 550m SFP	4	-
88Y6839*	1000B-LX GbE 1310nm 10km SFP	4	-
88Y6842*	1000B-LH GbE 1550nm 70km SFP	4	-
88Y6845*	100BASE-BX, TX1310nm/RX1550 nm 20km SM SFP	4	-
88Y6848*	100BASE-BX, TX1550nm/RX1310 nm 20km SM SFP	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-

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Table 24.Juniper 48 Port 1Gb EX2200 Ethernet Switch with PoE for IBM System x

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
6630013*	Juniper 48 Port 1Gb EX2200 Ethernet Switch with PoE for IBM System x	48/48	4
Related Options		Max Qty	
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	1	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1	-
40K5581	3m Blue Cat5e Cable	54	-
40K5679	0.6m Blue Cat5e Cable	54	-
40K8785	1.5m Blue Cat5e Cable	54	-
40K8927	10m Blue Cat5e Cable	54	-
40K8930	25m Blue Cat5e Cable	54	-
88Y6830*	100B-FX 100Mb 1310nm 2km SFP	4	-
88Y6833*	1GE Copper RJ-45 100m SFP	4	-

88Y6836*	1000B-SX GbE 850nm 550m SFP	4	-
88Y6839*	1000B-LX GbE 1310nm 10km SFP	4	-
88Y6842*	1000B-LH GbE 1550nm 70km SFP	4	-
88Y6845*	100BASE-BX, TX1310nm/RX1550 nm 20km SM SFP	4	-
88Y6848*	100BASE-BX, TX1550nm/RX1310 nm 20km SM SFP	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-

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Table 25.IBM System Networking RackSwitch G8264T (front to rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7309CF9	IBM System Networking RackSwitch G8264T (front to rear)	48/48	-	4/4
Related Options		Max Qty		
00D5810	5m IBM QSFP+ to QSFP+ Cable	4	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	4	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	4	-	
49Y7891	3m IBM QSFP+-to-QSFP+ cable	4	-	
90Y3519	10m IBM QSFP+ MTP Optical cable	4	-	
90Y3521	30m IBM QSFP+ MTP Optical cable	4	-	

- Notes:
1. Each 10GBASE-T port can accept one Cat6, Cat6a or Cat7 RJ45 cable
 2. Each QSFP+ port can accept either one QSFP+ Transceiver and one MTP Optical Cable or one QSFP+ Breakout Cable or one QSFP+ to QSFP+ Cable.
 3. Each QSFP+ Breakout Cable yields 4 SFP+ connections

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Table 26.IBM System Networking RackSwitch G8264T (rear to front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7309CR9	IBM System Networking RackSwitch G8264T (rear to front)	48/48	-	4/4
Related Options		Max Qty		
00D5810	5m IBM QSFP+ to QSFP+ Cable	4	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	4	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	4	-	
49Y7891	3m IBM QSFP+-to-QSFP+ cable	4	-	
90Y3519	10m IBM QSFP+ MTP Optical cable	4	-	
90Y3521	30m IBM QSFP+ MTP Optical cable	4	-	

- Notes:
1. Each 10GBASE-T port can accept one Cat6, Cat6a or Cat7 RJ45 cable
 2. Each QSFP+ port can accept either one QSFP+ Transceiver and one MTP Optical Cable or one QSFP+ Breakout Cable or one QSFP+ to QSFP+ Cable.
 3. Each QSFP+ Breakout Cable yields 4 SFP+ connections

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Table 28.IBM System Networking SAN24B-5

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
249824G	IBM System Networking SAN24B-5	24/24	-
Related Options		Max Qty	
22R0488	Fibre Cable LC/LC 31 M Singlemode 9 Micron	24	-
39M5697*	Fiber Cable LC/LC 5M Multimode	24	-
39M5698*	Fiber Cable LC/LC 25M Multimode	24	-
45W0504	Fabric Watch	1	-
45W0505	Extended Fabric	1	-
45W0508	Advanced Performance Monitor	1	-
45W0509	Trunking Activation	1	-
45W1216	SFP Transceiver 8 Gbps 10 km LW	24	-
45W1218	SFP Transceiver 8 Gbps 10 Km LW 8-Pack	3	-
45W2282	OM3 Cable LC/LC 10 m	24	-
45W2283	SFP Transceiver 8 Gbps 25 Km ELW	3	-
45W7553	B24 Server Application Optimization	1	-
98Y2176	SFP+ Transceiver 16 Gbps SW	24	-
98Y2177	SFP+ Transceiver 16 Gbps SW 8-Pack	3	-
98Y2178	SFP+ Transceiver 16 Gbps 10Km LW	24	-
98Y2179	SFP+ Transceiver 16 Gbps 10Km LW 8-Pack	3	-
98Y2182	SFP+ Transceiver 8 Gbps SW	24	-
98Y2183	SFP+ Transceiver 8 Gbps SW 8-Pack	3	-
98Y2189	Mid-Mount Telco Rack kit	1	-
98Y2193	SAN24B-5 Power Supply/Fan Kit	1	-
98Y2199*	SAN24B-5 Enterprise Package	1	-
98Y2203	12 Port Activation	1	-
98Y2208	SAN24B-5 FW Upgrade Renewal, 1 year	1	-
98Y2212	SAN24B-5 Firmware Upgrade Renewal, 2 years	1	-

- Notes:
- 1. Part number 45W7553 requires 45W0510
 - 2. Part number 98Y2199 can't be ordered when part numbers 98Y2203, 45W0504, 45W0508, 45W0509, 45W0510, and 45W7553 are selected

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Table 30.Brocade VDX 6730-32 Converged Switch (non-port exhaust)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
8553AR5*	Brocade VDX 6730-32 Converged Switch (non-port exhaust)	24/24	8/8
Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	25	-
40K5679	0.6m Blue Cat5e Cable	25	-
40K8785	1.5m Blue Cat5e Cable	25	-
40K8927	10m Blue Cat5e Cable	25	-
40K8930	25m Blue Cat5e Cable	25	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
69Y0389	SFP+ Transceiver 10GbE SR 300m MMF	24	-
81Y8295	1m 10GE Twinax Act Copper SFP+	24	-
81Y8296	3m 10GE Twinax Act Copper SFP+	24	-
81Y8297	5m 10GE Twinax Act Copper SFP+	24	-
88Y6416	Brocade 8Gb SFP+ Optical Transceiver	8	-
88Y6851	1m LC-LC Fiber Cable (networking)	32	-
88Y6854	5m LC-LC Fiber Cable (networking)	32	-
88Y6857	25m LC-LC Fiber Cable (networking)	32	-
90Y3713	IntraRack CAT6 Cable Service	25	-

90Y3721	10m CAT6 Blue Cable	25	-
90Y3730	25m CAT6 Blue Cable	25	-
95Y0323	1m IBM Active DAC SFP+ Cable	24	-
95Y0326	3m IBM Active DAC SFP+ Cable	24	-
95Y0329	5m IBM Active DAC SFP+ Cable	24	-
95Y0533	Brocade Rack Mount Kit for iDataPlex	1	-
95Y0537*	Brocade Rack Mount Kit	1	-
95Y0540	Brocade VDX SFP+ LR, Transceiver	24	-
95Y0546	Brocade SFP+ LWL 10KM, 8G FC Transceiver	8	-
95Y0549	Brocade VDX SFP RJ45 Transceiver	24	-
95Y0552	Brocade VDX 1000BASE-SX SFP Transceiver	24	-
95Y0555	Brocade VDX 1000BASE-LX SFP Transceiver	24	-
95Y0558*	Brocade VDX 6730-32 Firmware Upgrade 1 Year (32 port)	1	-

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Table 31.Brocade VDX 6730-32 Converged Switch (port exhaust)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
8553AF6*	Brocade VDX 6730-32 Converged Switch (port exhaust)	24/24	8/8
Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	25	-
40K5679	0.6m Blue Cat5e Cable	25	-
40K8785	1.5m Blue Cat5e Cable	25	-
40K8927	10m Blue Cat5e Cable	25	-
40K8930	25m Blue Cat5e Cable	25	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
69Y0389	SFP+ Transceiver 10GbE SR 300m MMF	24	-
81Y8295	1m 10GE Twinax Act Copper SFP+	24	-
81Y8296	3m 10GE Twinax Act Copper SFP+	24	-
81Y8297	5m 10GE Twinax Act Copper SFP+	24	-
88Y6416	Brocade 8Gb SFP+ Optical Transceiver	8	-
88Y6851	1m LC-LC Fiber Cable (networking)	32	-
88Y6854	5m LC-LC Fiber Cable (networking)	32	-
88Y6857	25m LC-LC Fiber Cable (networking)	32	-
90Y3713	IntraRack CAT6 Cable Service	25	-
90Y3721	10m CAT6 Blue Cable	25	-
90Y3730	25m CAT6 Blue Cable	25	-
95Y0323	1m IBM Active DAC SFP+ Cable	24	-
95Y0326	3m IBM Active DAC SFP+ Cable	24	-
95Y0329	5m IBM Active DAC SFP+ Cable	24	-
95Y0537*	Brocade Rack Mount Kit	1	-
95Y0540	Brocade VDX SFP+ LR, Transceiver	24	-
95Y0546	Brocade SFP+ LWL 10KM, 8G FC Transceiver	8	-
95Y0549	Brocade VDX SFP RJ45 Transceiver	24	-
95Y0552	Brocade VDX 1000BASE-SX SFP Transceiver	24	-
95Y0555	Brocade VDX 1000BASE-LX SFP Transceiver	24	-
95Y0558*	Brocade VDX 6730-32 Firmware Upgrade 1 Year (32 port)	1	-

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Table 32.Brocade VDX 6730-76 Converged Switch (non-port exhaust)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
8553BR7*	Brocade VDX 6730-76 Converged Switch (non-port exhaust)	60/60	16/16

Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	61	-
40K5679	0.6m Blue Cat5e Cable	61	-
40K8785	1.5m Blue Cat5e Cable	61	-
40K8927	10m Blue Cat5e Cable	61	-
40K8930	25m Blue Cat5e Cable	61	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
69Y0389	SFP+ Transceiver 10GbE SR 300m MMF	60	-
81Y8295	1m 10GE Twinax Act Copper SFP+	60	-
81Y8296	3m 10GE Twinax Act Copper SFP+	60	-
81Y8297	5m 10GE Twinax Act Copper SFP+	60	-
88Y6416	Brocade 8Gb SFP+ Optical Transceiver	16	-
88Y6851	1m LC-LC Fiber Cable (networking)	76	-
88Y6854	5m LC-LC Fiber Cable (networking)	76	-
88Y6857	25m LC-LC Fiber Cable (networking)	76	-
90Y3713	IntraRack CAT6 Cable Service	61	-
90Y3721	10m CAT6 Blue Cable	61	-
90Y3730	25m CAT6 Blue Cable	61	-
95Y0323	1m IBM Active DAC SFP+ Cable	60	-
95Y0326	3m IBM Active DAC SFP+ Cable	60	-
95Y0329	5m IBM Active DAC SFP+ Cable	60	-
95Y0533	Brocade Rack Mount Kit for iDataPlex	1	-
95Y0535*	Brocade VDX 6730-76 Firmware Upgrade 1 Year (76 port)	1	-
95Y0537*	Brocade Rack Mount Kit	1	-
95Y0540	Brocade VDX SFP+ LR, Transceiver	60	-
95Y0546	Brocade SFP+ LWL 10KM, 8G FC Transceiver	16	-
95Y0549	Brocade VDX SFP RJ45 Transceiver	60	-
95Y0552	Brocade VDX 1000BASE-SX SFP Transceiver	60	-
95Y0555	Brocade VDX 1000BASE-LX SFP Transceiver	60	-

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Table 33.Brocade VDX 6730-76 Converged Switch (port exhaust)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
8553BF8*	Brocade VDX 6730-76 Converged Switch (port exhaust)	60/60	16/16
Related Options		Max Qty	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
40K5581	3m Blue Cat5e Cable	61	-
40K5679	0.6m Blue Cat5e Cable	61	-
40K8785	1.5m Blue Cat5e Cable	61	-
40K8927	10m Blue Cat5e Cable	61	-
40K8930	25m Blue Cat5e Cable	61	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
69Y0389	SFP+ Transceiver 10GbE SR 300m MMF	60	-
81Y8295	1m 10GE Twinax Act Copper SFP+	60	-
81Y8296	3m 10GE Twinax Act Copper SFP+	60	-
81Y8297	5m 10GE Twinax Act Copper SFP+	60	-
88Y6416	Brocade 8Gb SFP+ Optical Transceiver	16	-
88Y6851	1m LC-LC Fiber Cable (networking)	76	-
88Y6854	5m LC-LC Fiber Cable (networking)	76	-
88Y6857	25m LC-LC Fiber Cable (networking)	76	-
90Y3713	IntraRack CAT6 Cable Service	61	-
90Y3721	10m CAT6 Blue Cable	61	-

90Y3730	25m CAT6 Blue Cable	61	-
95Y0323	1m IBM Active DAC SFP+ Cable	60	-
95Y0326	3m IBM Active DAC SFP+ Cable	60	-
95Y0329	5m IBM Active DAC SFP+ Cable	60	-
95Y0535*	Brocade VDX 6730-76 Firmware Upgrade 1 Year (76 port)	1	-
95Y0537*	Brocade Rack Mount Kit	1	-
95Y0540	Brocade VDX SFP+ LR, Transceiver	60	-
95Y0546	Brocade SFP+ LWL 10KM, 8G FC Transceiver	16	-
95Y0549	Brocade VDX SFP RJ45 Transceiver	60	-
95Y0552	Brocade VDX 1000BASE-SX SFP Transceiver	60	-
95Y0555	Brocade VDX 1000BASE-LX SFP Transceiver	60	-

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Table 38.Lenovo RackSwitch G8052 (Rear to Front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
7159G52	Lenovo RackSwitch G8052 (Rear to Front)	48/48	4/4
Related Options		Max Qty	
00AY764	1.5m IBM Passive DAC SFP+ Cable	4	-
00AY765	2m IBM Passive DAC SFP+ Cable	4	-
00D6071	Hot-Swappable, Rear-to-Front Fan Assembly Spare	99	-
00D6151	7m IBM Passive DAC SFP+ Cable	4	-
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-
00D6288	0.5m IBM Passive DAC SFP+ Cable	4	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	4	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
46C3447	IBM SFP+ SR Transceiver	4	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
49Y7938	Hot-Swappable, Rear-to-Front Power Supply Spare	99	-
81Y1622	IBM SFP SX Transceiver	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-
90Y9412	IBM SFP+ LR Transceiver	4	-
90Y9415	IBM SFP+ ER Transceiver	4	-
90Y9424	IBM SFP LX Transceiver	4	-
90Y9427	1m IBM Passive DAC SFP+ Cable	4	-
90Y9430	3m IBM Passive DAC SFP+ Cable	4	-
90Y9433	5m IBM Passive DAC SFP+ Cable	4	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	4	-
95Y0326	3m IBM Active DAC SFP+ Cable	4	-
95Y0329	5m IBM Active DAC SFP+ Cable	4	-

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Table 39.Lenovo RackSwitch G8052 (Front to Rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
715952F	Lenovo RackSwitch G8052 (Front to Rear)	48/48	4/4
Related Options		Max Qty	
00AY764	1.5m IBM Passive DAC SFP+ Cable	4	-
00AY765	2m IBM Passive DAC SFP+ Cable	4	-
00CG089	IBM System Networking Recessed 19" 4 Post Rail Kit	1	-
00D6073	Hot-Swappable, Front-to-Rear Fan Assembly Spare	99	-

00D6151	7m IBM Passive DAC SFP+ Cable	4	-
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-
00D6288	0.5m IBM Passive DAC SFP+ Cable	4	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	4	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
46C3447	IBM SFP+ SR Transceiver	4	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
49Y7937	Hot-Swappable, Front-to-Rear Power Supply Spare	99	-
81Y1622	IBM SFP SX Transceiver	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-
90Y3535	IBM iDataPlex Rail Kit	1	-
90Y9412	IBM SFP+ LR Transceiver	4	-
90Y9415	IBM SFP+ ER Transceiver	4	-
90Y9424	IBM SFP LX Transceiver	4	-
90Y9427	1m IBM Passive DAC SFP+ Cable	4	-
90Y9430	3m IBM Passive DAC SFP+ Cable	4	-
90Y9433	5m IBM Passive DAC SFP+ Cable	4	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	4	-
95Y0326	3m IBM Active DAC SFP+ Cable	4	-
95Y0329	5m IBM Active DAC SFP+ Cable	4	-

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Table 40.Lenovo RackSwitch G8264 (Rear to Front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7159G64	Lenovo RackSwitch G8264 (Rear to Front)	-	48/48	4/4
Related Options		Max Qty		
00AY764	1.5m IBM Passive DAC SFP+ Cable	48	-	
00AY765	2m IBM Passive DAC SFP+ Cable	48	-	
00D5810	5m IBM QSFP+ to QSFP+ Cable	4	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	4	-	
00D6071	Hot-Swappable, Rear-to-Front Fan Assembly Spare	99	-	
00D6151	7m IBM Passive DAC SFP+ Cable	48	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D6222	IBM QSFP+ 40GBASE-LR4 Transceiver	4	-	
00D6288	0.5m IBM Passive DAC SFP+ Cable	48	-	
00D9865	Lenovo QSFP+ 40GBASE-iSR4 Transceiver	4	-	
00FE325	IBM QSFP+ 40GBASEâ€eSR4 Optical Transceiver	4	-	
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	48	-	
00FM412	1m IBM MTP-4xLC OM3 MMF Breakout Cable	4	-	
00FM413	3m IBM MTP-4xLC OM3 MMF Breakout Cable	4	-	
00FM414	5m IBM MTP-4xLC OM3 MMF Breakout Cable	4	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46C3447	IBM SFP+ SR Transceiver	52	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	4	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	4	-	
49Y7891	3m IBM QSFP+-to-QSFP+ cable	4	-	

49Y7938	Hot-Swappable, Rear-to-Front Power Supply Spare	99	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	52	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	52	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	52	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	52	-
81Y1622	IBM SFP SX Transceiver	48	-
88Y6851	1m LC-LC Fiber Cable (networking)	52	-
88Y6854	5m LC-LC Fiber Cable (networking)	52	-
88Y6857	25m LC-LC Fiber Cable (networking)	52	-
90Y3519	10m IBM QSFP+ MTP Optical cable	4	-
90Y3521	30m IBM QSFP+ MTP Optical cable	4	-
90Y3842	Mellanox QSA Adapter (QSFP to SFP+)	4	-
90Y9412	IBM SFP+ LR Transceiver	52	-
90Y9415	IBM SFP+ ER Transceiver	52	-
90Y9424	IBM SFP LX Transceiver	48	-
90Y9427	1m IBM Passive DAC SFP+ Cable	48	-
90Y9430	3m IBM Passive DAC SFP+ Cable	48	-
90Y9433	5m IBM Passive DAC SFP+ Cable	48	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	48	-
95Y0326	3m IBM Active DAC SFP+ Cable	48	-
95Y0329	5m IBM Active DAC SFP+ Cable	48	-

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Table 41.Lenovo RackSwitch G8264 (Front to Rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
715964F	Lenovo RackSwitch G8264 (Front to Rear)	-	48/48	4/4
Related Options		Max Qty		
00AY764	1.5m IBM Passive DAC SFP+ Cable	48	-	
00AY765	2m IBM Passive DAC SFP+ Cable	48	-	
00CG089	IBM System Networking Recessed 19" 4 Post Rail Kit	1	-	
00D5810	5m IBM QSFP+ to QSFP+ Cable	4	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	4	-	
00D6073	Hot-Swappable, Front-to-Rear Fan Assembly Spare	99	-	
00D6151	7m IBM Passive DAC SFP+ Cable	48	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D6222	IBM QSFP+ 40GBASE-LR4 Transceiver	4	-	
00D6288	0.5m IBM Passive DAC SFP+ Cable	48	-	
00D9865	Lenovo QSFP+ 40GBASE-iSR4 Transceiver	4	-	
00FE325	IBM QSFP+ 40GBASEâ€eSR4 Optical Transceiver	4	-	
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	48	-	
00FM412	1m IBM MTP-4xLC OM3 MMF Breakout Cable	4	-	
00FM413	3m IBM MTP-4xLC OM3 MMF Breakout Cable	4	-	
00FM414	5m IBM MTP-4xLC OM3 MMF Breakout Cable	4	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46C3447	IBM SFP+ SR Transceiver	52	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	4	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	4	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	4	-	
49Y7891	3m IBM QSFP+-to-QSFP+ cable	4	-	
49Y7937	Hot-Swappable, Front-to-Rear Power Supply Spare	99	-	
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	52	-	

59Y1936	1m Molex Direct Attach Copper SFP+ Cable	52	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	52	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	52	-
81Y1622	IBM SFP SX Transceiver	48	-
88Y6851	1m LC-LC Fiber Cable (networking)	52	-
88Y6854	5m LC-LC Fiber Cable (networking)	52	-
88Y6857	25m LC-LC Fiber Cable (networking)	52	-
90Y3519	10m IBM QSFP+ MTP Optical cable	4	-
90Y3521	30m IBM QSFP+ MTP Optical cable	4	-
90Y3535	IBM iDataPlex Rail Kit	1	-
90Y3842	Mellanox QSA Adapter (QSFP to SFP+)	4	-
90Y9412	IBM SFP+ LR Transceiver	52	-
90Y9415	IBM SFP+ ER Transceiver	52	-
90Y9424	IBM SFP LX Transceiver	48	-
90Y9427	1m IBM Passive DAC SFP+ Cable	48	-
90Y9430	3m IBM Passive DAC SFP+ Cable	48	-
90Y9433	5m IBM Passive DAC SFP+ Cable	48	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	48	-
95Y0326	3m IBM Active DAC SFP+ Cable	48	-
95Y0329	5m IBM Active DAC SFP+ Cable	48	-

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Table 42.Lenovo RackSwitch G8124E (Rear to Front)			
Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
7159BR6	Lenovo RackSwitch G8124E (Rear to Front)	2/2	24/24
Related Options		Max Qty	
00AY764	1.5m IBM Passive DAC SFP+ Cable	24	-
00AY765	2m IBM Passive DAC SFP+ Cable	24	-
00D6151	7m IBM Passive DAC SFP+ Cable	24	-
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-
00D6288	0.5m IBM Passive DAC SFP+ Cable	24	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	24	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
46C3447	IBM SFP+ SR Transceiver	24	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	24	-
81Y1622	IBM SFP SX Transceiver	24	-
88Y6851	1m LC-LC Fiber Cable (networking)	24	-
88Y6854	5m LC-LC Fiber Cable (networking)	24	-
88Y6857	25m LC-LC Fiber Cable (networking)	24	-
90Y9412	IBM SFP+ LR Transceiver	24	-
90Y9415	IBM SFP+ ER Transceiver	24	-
90Y9424	IBM SFP LX Transceiver	24	-
90Y9427	1m IBM Passive DAC SFP+ Cable	24	-
90Y9430	3m IBM Passive DAC SFP+ Cable	24	-
90Y9433	5m IBM Passive DAC SFP+ Cable	24	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	24	-
95Y0326	3m IBM Active DAC SFP+ Cable	24	-
95Y0329	5m IBM Active DAC SFP+ Cable	24	-

Table 43.Lenovo RackSwitch G8124E (Front to Rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
7159BF7	Lenovo RackSwitch G8124E (Front to Rear)	2/2	24/24
Related Options		Max Qty	
00AY764	1.5m IBM Passive DAC SFP+ Cable	24	-
00AY765	2m IBM Passive DAC SFP+ Cable	24	-
00CG089	IBM System Networking Recessed 19" 4 Post Rail Kit	1	-
00D6151	7m IBM Passive DAC SFP+ Cable	24	-
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-
00D6288	0.5m IBM Passive DAC SFP+ Cable	24	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	24	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
46C3447	IBM SFP+ SR Transceiver	24	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	24	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	24	-
81Y1622	IBM SFP SX Transceiver	24	-
88Y6851	1m LC-LC Fiber Cable (networking)	24	-
88Y6854	5m LC-LC Fiber Cable (networking)	24	-
88Y6857	25m LC-LC Fiber Cable (networking)	24	-
90Y3535	IBM iDataPlex Rail Kit	1	-
90Y9412	IBM SFP+ LR Transceiver	24	-
90Y9415	IBM SFP+ ER Transceiver	24	-
90Y9424	IBM SFP LX Transceiver	24	-
90Y9427	1m IBM Passive DAC SFP+ Cable	24	-
90Y9430	3m IBM Passive DAC SFP+ Cable	24	-
90Y9433	5m IBM Passive DAC SFP+ Cable	24	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	24	-
95Y0326	3m IBM Active DAC SFP+ Cable	24	-
95Y0329	5m IBM Active DAC SFP+ Cable	24	-

Table 44.Lenovo RackSwitch G8264CS (Rear to Front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7159DRX	Lenovo RackSwitch G8264CS (Rear to Front)	-	48/48	4/4
Related Options		Max Qty		
00AY240	IBM RJ45 1Gbps Transceiver	48	-	
00AY764	1.5m IBM Passive DAC SFP+ Cable	48	-	
00AY765	2m IBM Passive DAC SFP+ Cable	48	-	
00D5810	5m IBM QSFP+ to QSFP+ Cable	4	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	4	-	
00D5858	Hot-Swappable, 750W CFF Power Supply Spare (rear to front)	99	-	
00D6071	Hot-Swappable, Rear-to-Front Fan Assembly Spare	99	-	
00D6151	7m IBM Passive DAC SFP+ Cable	48	-	
00D6180	IBM SFP+ LR Transceiver	48	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D6222	IBM QSFP+ 40GBASE-LR4 Transceiver	4	-	
00D6288	0.5m IBM Passive DAC SFP+ Cable	48	-	

00D9865	Lenovo QSFP+ 40GBASE-iSR4 Transceiver	4	-
00FE325	IBM QSFP+ 40GBASEâ€eSR4 Optical Transceiver	4	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	48	-
00FM472	IBM 8Gb SFP+ LW Optical Transceiver	12	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
44X1964	IBM 8Gb SFP+ SW Optical Transceiver	12	-
46C3447	IBM SFP+ SR Transceiver	48	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	4	-
49Y7886	1m IBM QSFP+ DAC Break Out Cable	4	-
49Y7887	3m IBM QSFP+ DAC Break Out Cable	4	-
49Y7888	5m IBM QSFP+ DAC Break Out Cable	4	-
49Y7890	1m IBM QSFP+-to-QSFP+ cable	4	-
49Y7891	3m IBM QSFP+-to-QSFP+ cable	4	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	48	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	48	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	48	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	48	-
81Y1622	IBM SFP SX Transceiver	48	-
88Y6851	1m LC-LC Fiber Cable (networking)	48	-
88Y6854	5m LC-LC Fiber Cable (networking)	48	-
88Y6857	25m LC-LC Fiber Cable (networking)	48	-
90Y3519	10m IBM QSFP+ MTP Optical cable	4	-
90Y3521	30m IBM QSFP+ MTP Optical cable	4	-
90Y3535	IBM iDataPlex Rail Kit	1	-
90Y9415	IBM SFP+ ER Transceiver	6	-
90Y9424	IBM SFP LX Transceiver	48	-
90Y9427	1m IBM Passive DAC SFP+ Cable	48	-
90Y9430	3m IBM Passive DAC SFP+ Cable	48	-
90Y9433	5m IBM Passive DAC SFP+ Cable	48	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	48	-
95Y0326	3m IBM Active DAC SFP+ Cable	48	-
95Y0329	5m IBM Active DAC SFP+ Cable	48	-

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Table 45.Lenovo RackSwitch G8264CS (Front to Rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7159DFX	Lenovo RackSwitch G8264CS (Front to Rear)	-	48/48	4/4
Related Options		Max Qty		
00AY240	IBM RJ45 1Gbps Transceiver	48	-	
00AY764	1.5m IBM Passive DAC SFP+ Cable	48	-	
00AY765	2m IBM Passive DAC SFP+ Cable	48	-	
00CG089	IBM System Networking Recessed 19" 4 Post Rail Kit	1	-	
00D5810	5m IBM QSFP+ to QSFP+ Cable	4	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	4	-	
00D5961	Hot-Swappable, Front-to-Rear 550W CFF Power Supply Spare	99	-	
00D6073	Hot-Swappable, Front-to-Rear Fan Assembly Spare	99	-	
00D6151	7m IBM Passive DAC SFP+ Cable	48	-	
00D6180	IBM SFP+ LR Transceiver	48	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D6222	IBM QSFP+ 40GBASE-LR4 Transceiver	4	-	
00D6288	0.5m IBM Passive DAC SFP+ Cable	48	-	
00D9865	Lenovo QSFP+ 40GBASE-iSR4 Transceiver	4	-	
00FE325	IBM QSFP+ 40GBASEâ€eSR4 Optical Transceiver	4	-	

00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	48	-
00FM472	IBM 8Gb SFP+ LW Optical Transceiver	12	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
44X1964	IBM 8Gb SFP+ SW Optical Transceiver	12	-
46C3447	IBM SFP+ SR Transceiver	48	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	4	-
49Y7886	1m IBM QSFP+ DAC Break Out Cable	4	-
49Y7887	3m IBM QSFP+ DAC Break Out Cable	4	-
49Y7888	5m IBM QSFP+ DAC Break Out Cable	4	-
49Y7890	1m IBM QSFP+-to-QSFP+ cable	4	-
49Y7891	3m IBM QSFP+-to-QSFP+ cable	4	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	48	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	48	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	48	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	48	-
81Y1622	IBM SFP SX Transceiver	48	-
88Y6851	1m LC-LC Fiber Cable (networking)	48	-
88Y6854	5m LC-LC Fiber Cable (networking)	48	-
88Y6857	25m LC-LC Fiber Cable (networking)	48	-
90Y3519	10m IBM QSFP+ MTP Optical cable	4	-
90Y3521	30m IBM QSFP+ MTP Optical cable	4	-
90Y3535	IBM iDataPlex Rail Kit	1	-
90Y9415	IBM SFP+ ER Transceiver	6	-
90Y9424	IBM SFP LX Transceiver	48	-
90Y9427	1m IBM Passive DAC SFP+ Cable	48	-
90Y9430	3m IBM Passive DAC SFP+ Cable	48	-
90Y9433	5m IBM Passive DAC SFP+ Cable	48	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	48	-
95Y0326	3m IBM Active DAC SFP+ Cable	48	-
95Y0329	5m IBM Active DAC SFP+ Cable	48	-

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Table 46.Lenovo RackSwitch G8332 (Rear to Front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7159BRX	Lenovo RackSwitch G8332 (Rear to Front)	-	-	48/48
Related Options		Max Qty		
00D5810	5m IBM QSFP+ to QSFP+ Cable	32	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	32	-	
00D5858	Hot-Swappable, 750W CFF Power Supply Spare (rear to front)	99	-	
00D6071	Hot-Swappable, Rear-to-Front Fan Assembly Spare	99	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D6222	IBM QSFP+ 40GBASE-LR4 Transceiver	32	-	
00D9865	Lenovo QSFP+ 40GBASE-iSR4 Transceiver	32	-	
00FE325	IBM QSFP+ 40GBASEâ€”eSR4 Optical Transceiver	32	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	32	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	32	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	32	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	32	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	32	-	

49Y7891	3m IBM QSFP+-to-QSFP+ cable	32	-
90Y3519	10m IBM QSFP+ MTP Optical cable	32	-
90Y3521	30m IBM QSFP+ MTP Optical cable	32	-
90Y9462	Console Cable Kit Spare	99	-

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Table 47.Lenovo RackSwitch G8332 (Front to Rear)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
7159BFX	Lenovo RackSwitch G8332 (Front to Rear)	-	-	48/48
Related Options		Max Qty		
00CG089	IBM System Networking Recessed 19" 4 Post Rail Kit	1	-	
00D5810	5m IBM QSFP+ to QSFP+ Cable	32	-	
00D5813	7m IBM QSFP+ to QSFP+ Cable	32	-	
00D5961	Hot-Swappable, Front-to-Rear 550W CFF Power Supply Spare	99	-	
00D6073	Hot-Swappable, Front-to-Rear Fan Assembly Spare	99	-	
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-	
00D6222	IBM QSFP+ 40GBASE-LR4 Transceiver	32	-	
00D9865	Lenovo QSFP+ 40GBASE-iSR4 Transceiver	32	-	
00FE325	IBM QSFP+ 40GBASEâ€eSR4 Optical Transceiver	32	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
49Y7884	IBM QSFP+ 40GBASE-SR4 Transceiver	32	-	
49Y7886	1m IBM QSFP+ DAC Break Out Cable	32	-	
49Y7887	3m IBM QSFP+ DAC Break Out Cable	32	-	
49Y7888	5m IBM QSFP+ DAC Break Out Cable	32	-	
49Y7890	1m IBM QSFP+-to-QSFP+ cable	32	-	
49Y7891	3m IBM QSFP+-to-QSFP+ cable	32	-	
90Y3519	10m IBM QSFP+ MTP Optical cable	32	-	
90Y3521	30m IBM QSFP+ MTP Optical cable	32	-	
90Y3535	IBM iDataPlex Rail Kit	1	-	
90Y9462	Console Cable Kit Spare	99	-	

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Table 48.Lenovo RackSwitch G7028 (Rear to Front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
7159BAX	Lenovo RackSwitch G7028 (Rear to Front)	24/24	4/4
Related Options		Max Qty	
00AY121	IBM System Networking RackSwitch G7000 1.8m DC to DC RPS Power Cable	1	-
00AY123	IBM System Networking RackSwitch G7000 Redundant Power Supply	1	-
00AY764	1.5m IBM Passive DAC SFP+ Cable	4	-
00AY765	2m IBM Passive DAC SFP+ Cable	4	-
00D6151	7m IBM Passive DAC SFP+ Cable	4	-
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-
00D6288	0.5m IBM Passive DAC SFP+ Cable	4	-
00D9860	Power Cord Retention Clip	1	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	4	-
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	1	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1	-
46C3447	IBM SFP+ SR Transceiver	4	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	1	-

49Y8578*	IBM 10GbE SW SFP+ Transceiver	4	-
59Y1932	0.5m Molex Direct Attach Copper SFP+ Cable	4	-
59Y1936	1m Molex Direct Attach Copper SFP+ Cable	4	-
59Y1940	3m Molex Direct Attach Copper SFP+ Cable	4	-
59Y1944	7m Molex Direct Attach Copper SFP+ Cable	4	-
81Y1622	IBM SFP SX Transceiver	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-
90Y9412	IBM SFP+ LR Transceiver	4	-
90Y9424	IBM SFP LX Transceiver	4	-
90Y9427	1m IBM Passive DAC SFP+ Cable	4	-
90Y9430	3m IBM Passive DAC SFP+ Cable	4	-
90Y9433	5m IBM Passive DAC SFP+ Cable	4	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	4	-
95Y0326	3m IBM Active DAC SFP+ Cable	4	-
95Y0329	5m IBM Active DAC SFP+ Cable	4	-

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Table 49.Lenovo RackSwitch G7052 (Rear to Front)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
7159CAX	Lenovo RackSwitch G7052 (Rear to Front)	48/48	4/4
Related Options		Max Qty	
00AY121	IBM System Networking RackSwitch G7000 1.8m DC to DC RPS Power Cable	1	-
00AY123	IBM System Networking RackSwitch G7000 Redundant Power Supply	1	-
00AY764	1.5m IBM Passive DAC SFP+ Cable	4	-
00AY765	2m IBM Passive DAC SFP+ Cable	4	-
00D6151	7m IBM Passive DAC SFP+ Cable	4	-
00D6185	IBM System Networking Adjustable 19" 4 Post Rail Kit	1	-
00D6288	0.5m IBM Passive DAC SFP+ Cable	4	-
00D9860	Power Cord Retention Clip	1	-
00FE333	IBM SFP 1000Base-T (RJ-45) Transceiver	4	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1	-
46C3447	IBM SFP+ SR Transceiver	4	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	1	-
81Y1622	IBM SFP SX Transceiver	4	-
88Y6851	1m LC-LC Fiber Cable (networking)	4	-
88Y6854	5m LC-LC Fiber Cable (networking)	4	-
88Y6857	25m LC-LC Fiber Cable (networking)	4	-
90Y9412	IBM SFP+ LR Transceiver	4	-
90Y9424	IBM SFP LX Transceiver	4	-
90Y9427	1m IBM Passive DAC SFP+ Cable	4	-
90Y9430	3m IBM Passive DAC SFP+ Cable	4	-
90Y9433	5m IBM Passive DAC SFP+ Cable	4	-
90Y9462	Console Cable Kit Spare	99	-
95Y0323	1m IBM Active DAC SFP+ Cable	4	-
95Y0326	3m IBM Active DAC SFP+ Cable	4	-
95Y0329	5m IBM Active DAC SFP+ Cable	4	-

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* Lenovo has withdrawn this product from marketing.

Lenovo System x Top of Rack

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Systems x Networking
- Systems Networking

Table 1.IBM Ethernet Switch B24C (Copper)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002AC2*	IBM Ethernet Switch B24C (Copper)	24/24	0
Related Options		Max Qty	
45W2809*	XFP Transceiver 10GB Copper 15m CX4	2	-
45W2810*	XFP Transceiver 850nm 300m MMF	2	-
45W2811*	XFP Transceiver 1310nm 10Km SMF	2	-
45W2812*	XFP Transceiver 1550nm 40Km SMF	2	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	4	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	4	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	4	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	4	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	4	-
45W2825*	500W AC Power supply	1	-
45W4266*	Metro Edge Premium Activation C2x	1	-
45W4268*	Layer 3 Premium Activation C2x	1	-
45W4270*	4002-C2A Firmware Upgrade Renewal, 1 year	4	-
45W4736*	2-port 10 GbE XFP Uplink Module	1	-

Note:
1. Provides 24 ports in a 1U high chassis. Ships standard with rack rail kit.

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Table 2.IBM Ethernet Switch B48C (Copper)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002AC4*	IBM Ethernet Switch B48C (Copper)	48/48	0
Related Options		Max Qty	
45W2808*	Metro Edge Premium Activation	1	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	48	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	48	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	48	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	48	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	48	-
45W2825*	500W AC Power supply	1	-
45W2926*	Layer 3 Premium Activation	1	-
45W3670*	4002-C4A Firmware Upgrade Renewal, 1 year	1	-

Note:
1. Provides 48 ports in a 1U high chassis. Ships standard with rack rail kit.

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Table 3.IBM Ethernet Switch B50C (Copper)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)

4002AC5*	IBM Ethernet Switch B50C (Copper)	48/48	0	0
Related Options		Max Qty		
45W2808*	Metro Edge Premium Activation	1	-	
45W2809*	XFP Transceiver 10GB Copper 15m CX4	2	-	
45W2810*	XFP Transceiver 850nm 300m MMF	2	-	
45W2811*	XFP Transceiver 1310nm 10Km SMF	2	-	
45W2812*	XFP Transceiver 1550nm 40Km SMF	2	-	
45W2825*	500W AC Power supply	1	-	
45W2926*	Layer 3 Premium Activation	1	-	
45W3672*	4002-C5A Firmware Upgrade Renewal, 1 year	1	-	

Note:
1. Provides 48 ports in a 1U high chassis. Ships standard with rack rail kit.

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Table 4.IBM Ethernet Switch B24C (Fiber)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002BC2*	IBM Ethernet Switch B24C (Fiber)	24/24	0
Related Options		Max Qty	
45W2809*	XFP Transceiver 10GB Copper 15m CX4	2	-
45W2810*	XFP Transceiver 850nm 300m MMF	2	-
45W2811*	XFP Transceiver 1310nm 10Km SMF	2	-
45W2812*	XFP Transceiver 1550nm 40Km SMF	2	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	24	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	24	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	24	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	24	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	24	-
45W2825*	500W AC Power supply	1	-
45W4266*	Metro Edge Premium Activation C2x	1	-
45W4268*	Layer 3 Premium Activation C2x	1	-
45W4272*	4002-C2B Firmware Upgrade Renewal, 1 year	4	-
45W4736*	2-port 10 GbE XFP Uplink Module	1	-

Note:
1. Provides 24 ports in a 1U high chassis.. Ships standard with rack rail kit.

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Table 5.IBM Ethernet Switch B48C (Fiber)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002BC4*	IBM Ethernet Switch B48C (Fiber)	48/48	0
Related Options		Max Qty	
45W2808*	Metro Edge Premium Activation	1	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	48	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	48	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	48	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	48	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	1	-
45W2825*	500W AC Power supply	1	-
45W2926*	Layer 3 Premium Activation	1	-
45W3671*	4002-C4B Firmware Upgrade Renewal, 1 year	1	-

Note:
1. Provides 48 ports in a 1U high chassis. Ships standard with rack rail kit.

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Table 6.IBM Ethernet Switch B50C (Fiber)

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002BC5*	IBM Ethernet Switch B50C (Fiber)	48/48	0
Related Options		Max Qty	
45W2808*	Metro Edge Premium Activation	1	-
45W2809*	XFP Transceiver 10GB Copper 15m CX4	2	-
45W2810*	XFP Transceiver 850nm 300m MMF	2	-
45W2811*	XFP Transceiver 1310nm 10Km SMF	2	-
45W2812*	XFP Transceiver 1550nm 40Km SMF	2	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	48	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	48	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	48	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	48	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	48	-
45W2825*	500W AC Power supply	1	-
45W2926*	Layer 3 Premium Activation	1	-
45W3673*	4002-C5B Firmware Upgrade Renewal, 1 year	1	-

Note:
1. Provides 48 ports in a 1U high chassis. Ships standard with rack rail kit.

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Table 7.IBM Ethernet Switch B48G

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002AG4*	IBM Ethernet Switch B48G	48/50	0
Related Options		Max Qty	
45W2805*	2-port XFP 10 GbE Module	1	-
45W2806*	2-port CX4 10 GbE Module	1	-
45W2807*	POE DIMM for 24 ports of 10/100/1000	2	-
45W2809*	XFP Transceiver 10GB Copper 15m CX4	2	-
45W2810*	XFP Transceiver 850nm 300m MMF	2	-
45W2811*	XFP Transceiver 1310nm 10Km SMF	2	-
45W2812*	XFP Transceiver 1550nm 40Km SMF	2	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	4	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	4	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	4	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	4	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	4	-
45W2818*	SFP Transceiver 100MbE MMF	4	-
45W2820*	Copper Cable CX4 0.5 m	2	-
45W2821*	Copper Cable CX4 1 m	2	-
45W2822*	Copper Cable CX4 3 m	2	-
45W2823*	Edge Layer 3 Activation	1	-
45W2824*	600W AC Power supply	1	-
45W2927*	Rack Mount Kit, Long Rack Ears	1	-
45W3674*	4002-G4A Firmware Upgrade Renewal, 1 year	1	-

Note:
1. Provides up to 50 ports in a 1.5U high chassis. Ships standard with rack rail kit.

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Table 8.IBM Ethernet Switch B50G

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002AG5*	IBM Ethernet Switch B50G	48/50	0
Related Options		Max Qty	
45W2807*	POE DIMM for 24 ports of 10/100/1000	2	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	4	-

45W2815*	SFP Transceiver 1GE SX MMF w/OM	4	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	4	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	4	-
45W2818*	SFP Transceiver 100MbE MMF	4	-
45W2820*	Copper Cable CX4 0.5 m	2	-
45W2821*	Copper Cable CX4 1 m	2	-
45W2822*	Copper Cable CX4 3 m	2	-
45W2824*	600W AC Power supply	1	-
45W2927*	Rack Mount Kit, Long Rack Ears	1	-
45W3675*	4002-G5A Firmware Upgrade Renewal, 1 year	1	-

Note:
1. Provides up to 50 ports in a 1.5U high chassis. Ships standard with rack rail kit.

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Table 9.IBM Ethernet Switch B24X

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002AX2*	IBM Ethernet Switch B24X	24/24	0
Related Options		Max Qty	
45W2398*	Twinax Active 1 m	24	-
45W2401	Twinax Active 1 m 8-Pack	8	-
45W2408*	Twinax Active 3 m	24	-
45W2409	Twinax Active 3 m 8-Pack	8	-
45W2813*	SFP Transceiver 1GE Copper RJ-45	24	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	24	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	24	-
45W2817*	SFP Transceiver 1GE LHA MMF w/OM	24	-
45W3039*	Twinax Active 5 m	24	-
45W3042	Twinax Active 5 m 8-Pack	8	-
45W4262*	SFP+ Transceiver 10 GbE SR 300m MMF	24	-
45W4264*	SFP+ Transceiver 10 GbE LR 10Km SMF	24	-
45W4274*	4002-X2A Firmware Upgrade Renewal, 1 year	4	-
45W4276*	300W AC Power supply	1	-

Note:
1. Provides up to 24 ports in a 1U high chassis. Ships standard with rack rail kit.

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Table 10.IBM Ethernet Switch B24Y

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002BY2*	IBM Ethernet Switch B24Y	24/24	0
Related Options		Max Qty	
45W2810*	XFP Transceiver 850nm 300m MMF	4	-
45W2811*	XFP Transceiver 1310nm 10Km SMF	4	-
45W2812*	XFP Transceiver 1550nm 40Km SMF	4	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	4	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	4	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	4	-
45W2817*	SFP Transceiver 1GE LHA SMF w/OM	4	-
45W2820*	Copper Cable CX4 0.5m	2	-
45W2821*	Copper Cable CX4 1 m	2	-
45W2822*	Copper Cable CX4 3 m	2	-
45W7503*	4002-Y2B Firmware Upgrade Renewal, 1 year	4	-
45W7513*	2-port 10 GbE Uplink Module (XFP)	1	-
45W7518*	620W AC Power supply PoE	1	-
45W7552*	SFP Transceiver 100 MbE LR 40Km SMF w/OM	4	-
45W8178*	SFP Transceiver 10 GbE ZR 80Km SMF	4	-

Table 11. IBM Ethernet Switch B48Y

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002BY4*	IBM Ethernet Switch B48Y	48/48	0
Related Options		Max Qty	
45W2810*	XFP Transceiver 850nm 300m MMF	4	-
45W2811*	XFP Transceiver 1310nm 10Km SMF	4	-
45W2812*	XFP Transceiver 1550nm 40Km SMF	4	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	4	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	4	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	4	-
45W2817*	SFP Transceiver 1GE LHA SMF w/OM	4	-
45W2820*	Copper Cable CX4 0.5m	2	-
45W2821*	Copper Cable CX4 1 m	2	-
45W2822*	Copper Cable CX4 3 m	2	-
45W7508*	4002-Y4B Firmware Upgrade Renewal, 1 year	4	-
45W7513*	2-port 10 GbE Uplink Module (XFP)	1	-
45W7518*	620W AC Power supply PoE	1	-
45W7552*	SFP Transceiver 100 MbE LR 40Km SMF w/OM	4	-
45W8178*	SFP Transceiver 10 GbE ZR 80Km SMF	4	-

Notes:

1. Each RJ45 port allows selection of 1 Cat5E cable.
2. Min 1 power cable is required per B48Y Switch for standard power supply.
3. If Power Supply 81Y1451 is selected, Min 1 Max 2
4. Optional Uplink Module provides to to 4 SFP+ ports. Each SFP+ port allows selection of =1 DAC cable or SFP+ Transceiver with Optical Cable

Table 12. IBM Ethernet Switch B24Y

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)
4002CY2*	IBM Ethernet Switch B24Y	24/24	0
Related Options		Max Qty	
45W2398*	Twinax Active 1 m	4	-
45W2408*	Twinax Active 3 m	4	-
45W2814*	SFP Transceiver 100MbE MMF w/OM	4	-
45W2815*	SFP Transceiver 1GE SX MMF w/OM	4	-
45W2816*	SFP Transceiver 1GE LX SMF w/OM	4	-
45W2817*	SFP Transceiver 1GE LHA SMF w/OM	4	-
45W3039*	Twinax Active 5 m	4	-
45W4262*	SFP+ Transceiver 10 GbE SR 300m MMF	4	-
45W4264*	SFP+ Transceiver 10 GbE LR 10Km SMF	4	-
45W5940*	4002-Y2C Firmware Upgrade Renewal, 1 year	4	-
45W5943*	4-port 1GbE Combo Module (SFP)	1	-
45W7207*	210W AC I Power supply	1	-
45W7346*	4-port 10 GbE Uplink/Stacking Module (SFP+)	1	-
45W7552*	SFP Transceiver 100 MbE LR 40Km SMF w/OM	4	-

* Lenovo has withdrawn this product from marketing.

Lenovo System x Top of Rack

Attention:

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InfiniBand Switches

Table 1.Mellanox SX6036 FDR14 InfiniBand Switch (PSE)¹

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
0724022	Mellanox SX6036 FDR14 InfiniBand Switch (PSE) ¹	-	-	36/36
Related Options		Max Qty		
00AE031*	0.75m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00AE035*	1.25m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00AE039	Mellanox 1U Switch Enterprise Rack Air Duct Kit	1	-	
00AE051*	1.5m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00KF007	3m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-	
00KF008	5m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-	
00KF009	10m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-	
00KF010	15m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-	
00KF011	20m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-	
00KF012	30m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-	
00W0045	50m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
00W0049*	1m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00W0057*	3m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00W0061*	0.5m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00W0069	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
00W0073	5m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
00W0077	10m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
00W0081	15m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
00W0085	20m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
00W0089	30m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-	
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	2	-	
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-	
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-	
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-	
46W0583	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
90Y3800	Mellanox MSX60xx/MSX10xx 300w Power Supply with Intake Fan	2	-	

Note:
1. 1U; 36 QSFP FDR14 IB ports; 2 RJ45 mgmt and console ports; 1 RJ45 serial console port; 1 USB-A port; 2 power supply bays; Installs in 1410 racks only.

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Table 2.Mellanox SX6036 FDR14 InfiniBand Switch (oPSE)¹

Option number	Description	Ports (Std/Max)	SFP Modules (Std/Max)	QSFP + Modules (Std/Max)
0724023	Mellanox SX6036 FDR14 InfiniBand Switch (oPSE) ¹	-	-	36/36
Related Options		Max Qty		
00AE031*	0.75m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00AE035*	1.25m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-	
00AE043	Mellanox SX60xx/10xx 75mm Recessed Enterprise Rack Mount Kit	1	-	

00AE051*	1.5m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-
00KF007	3m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-
00KF008	5m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-
00KF009	10m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-
00KF010	15m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-
00KF011	20m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-
00KF012	30m Mellanox Active IB FDR Optical Fiber Cable for IBM System x	36	-
00W0045	50m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
00W0049*	1m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-
00W0057*	3m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-
00W0061*	0.5m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-
00W0069	3m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
00W0073	5m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
00W0077	10m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
00W0081	15m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
00W0085	20m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
00W0089	30m Mellanox QSFP Optical FDR14 InfiniBand Cable	36	-
39Y7931	Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	2	-
39Y7932	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7937	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	2	-
39Y7938	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	2	-
46M2592	10A/250V C13 to NEMA 6-15P 2.8m line cord	2	-
46W0583	2m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	36	-
90Y3802	Mellanox MSX60xx/MSX10xx 300w Power Supply with Exhaust Fan	2	-

- Note:**
1. 1U; 36 QSFP FDR14 IB ports; 2 RJ45 mgmt and console ports; 1 RJ45 serial console port; 1 USB-A port; 2 power supply bays; Installs in 1410 racks only.

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* Lenovo has withdrawn this product from marketing.

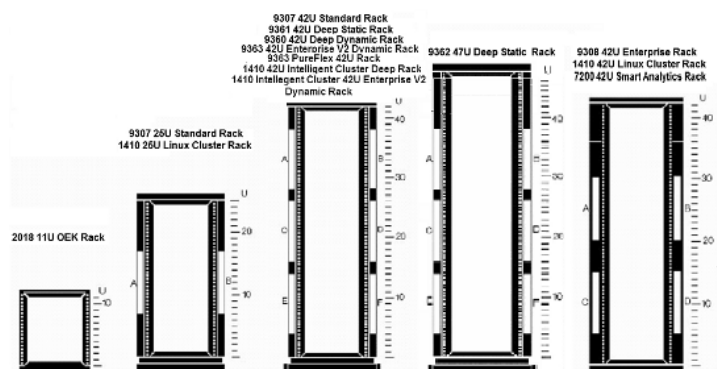
Rack cabinets and options

Attention:

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- Rack cabinets
- Rack mounted products

Figure 1. Rack cabinets



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Table 1. Rack cabinets

Machine type model ¹	IBM 11U OEK Rack	NetBay11 standard rack	S2 25U standard rack		S2 42U standard rack	
	2018-86X	9306-1RX	9307-2RX	9307-2PX	9307-4RX	9307-4XX
Withdrawal date	-	Jan 2, 2009	-	-	-	-
T-M-F Format	2018- RC1- 2731	9306- RC1- 1041	9307- RC2- 1042	9307- RC2- 6690	9307- RC4- 1043	9307- RC4- 1044
EIA capacity ²	11U	11U	25U	25U	42U	42U
Sidewall compartments	0	0	2	2	6	6
Front stabilizers	Std	Std	Std	Std	Std	Std
Side stabilizers ³	NR	NR	NR	NR	Std ³	Std
Casters	Std	Std	Std	Std	Std	Std
Leveling feet	NA	NA	Std	Std	Std	Std
Side covers	Std	Std	Std	Std	Std	NR
Rack attachment kit ⁴	NA	NA	NA	NA	NR	Std
Glass front door	NA	NA	NA	NA	NA	NA
Perforated front door	Std	Std	Std ⁸	Std	Std ⁸	Std ⁸
Perforated rear door	NA	NA	Std ⁹	Std	Std ⁹	Std ⁹
Height (mm/in) ⁶	611/24.1	611/24.1	1344/53	1344/53	1999/78.7	1999/78.7
Width (mm/in)	518/20.4	518/20.4	605/23.8	605/23.8	605/23.8	600/23.6
Depth (mm/in) ⁶	1156/45.5	873/34.4	1000/39.4	1000/39.4	1000/39.4	1000/39.4
Empty weight (kg/lb)	41/90.4	36/79	100/220	100/220	125/276	94/207
Max load (kg/lb)	182/401	182/401	567/1250	567/1250	907/2000	907/2000
Total weight (kg/lb)	224/494.4	218/481	667/1470	667/1470	1032/2276	1032/2276
Shippable loaded ⁷	Yes	Yes	Yes	No	No	No

Note: NR - Not required; NA - Not available; 1U - 1.75in (44.45mm)

Table 1. Rack cabinets (continued)

Machine type model ¹	IBM S2 42U Dynamic standard rack		IBM 42U Enterprise rack	
	9956-4RX	9956-4XX	9308-4PX	9308-4EX
Withdrawal date	-	-	-	-
T-M-F Format	9956- RC4- 5629	9956- RC4- 5631	9308- RC4- 5621	9308- RC4- 5622
EIA capacity ²	42U	42U	42U	42U

Sidewall compartments	6	6	4	4
Front stabilizers	Std	Std	Std	Std
Side stabilizers ³	Std ³	Std ³	NR	NR
Casters	Std	Std	Std	Std
Leveling feet	Std	Std	Std	Std
Side covers	Std	NR	Std	NR
Rack attachment kit ⁴	NR	Std	NR	Std
Glass front door	NA	NA	NA	NA
Perforated front door	Std	Std	Std	Std
Perforated rear door	Std	Std	Std	Std
Height (mm/in) ⁶	1999/78.7	1999/78.7	2020/79.5	2020/79.5
Width (mm/in)	605/23.8	600/23.6	648/25.5	648/25.5
Depth (mm/in) ⁶	1000/39.4	1000/39.4	1105/43.5	1105/43.5
Empty weight (kg/lb)	125/276	117/258	220/485	177/390
Max load (kg/lb)	907/2000	907/2000	932/2055	932/2055
Total weight (kg/lb)	1032/2276	1032/2276	1152/2540	1109/2445
Shippable loaded ⁷	Yes	Yes	Yes	Yes

Note: NR - Not required; NA - Not available; 1U - 1.75in (44.45mm)

Table 1. Rack cabinets (continued)

Machine type model ¹	IBM 42U 1200mm Deep Dynamic Rack		IBM 42U 1200mm Deep Static Rack	
	9360-4PX	9360-4EX	9361-4PX	9361-4EX
Withdrawal date	-	-	-	-
T-M-F Format	9360- RC4- 7649	9360- RC4- 7650	9361- RC4- 7651	9361- RC4- 7652
EIA capacity ²	42U	42U	42U	42U
Sidewall compartments	6	6	6	6
Front stabilizers	Std	Std	Std	Std
Side stabilizers ³	Std	Std	Std	Std
Casters	Std	Std	Std	Std
Leveling feet	Std	Std	Std	Std
Side covers	Std	NR	Std	NR
Rack attachment kit ⁴	NR	Std	NR	Std
Glass front door	-	-	-	-
Perforated front door	Std	Std	Std	Std
Perforated rear door	Std	Std	Std	Std
Height (mm/in) ⁶	2003/78.86	2003/78.86	2003/78.86	2003/78.86
Width (mm/in)	599/23.58	594/23.38	599/23.58	594/23.38
Depth (mm/in) ⁶	1189/46.81	1189/46.81	1189/46.81	1189/46.81
Empty weight (kg/lb)	165/365	128/282.2	141/311	104/229.3
Max load (kg/lb)	950/2094.4	950/2094.4	950/2094.4	950/2094.4
Total weight (kg/lb)	1115/2458.15	1078/2377	1091/2405.24	1054/2324
Shippable loaded ⁷	Yes	Yes	No	No

Note: NR - Not required; NA - Not available; 1U - 1.75in (44.45mm)

Table 1. Rack cabinets (continued)

Machine type model ¹	IBM 47U 1200mm Deep Static Rack		IBM 42U 1100mm Enterprise V2 Dynamic Rack	
	9362-4PX	9362-4EX	9363-4PX	9363-4EX
Withdrawal date	-	-	-	-
T-M-F Format	9362- RC4- 7653	9362- RC4- 7654	9363- RC4- A1RC	9363- RC4- A1RD
EIA capacity ²	47U	47U	42U	42U
Sidewall compartments	6	6	6	6
Front stabilizers	Std	Std	Std	Std
Side stabilizers ³	Std	Std	Std	Std
Casters	Std	Std	Std	Std
Leveling feet	Std	Std	Std	Std
Side covers	Std	NR	Std	NR
Rack attachment kit ⁴	NR	Std	NR	Std
Glass front door	-	-	-	-

Perforated front door	Std	Std	Std	Std
Perforated rear door	Std	Std	Std	Std
Height (mm/in) ⁶	2223.0/87.52	2223.0/87.52	2002/78.82	2002/78.82
Width (mm/in)	599/23.58	594/23.38	600/23.62	600/23.62
Depth (mm/in) ⁶	1189/46.81	1189/46.81	1095/43.11	1095/43.11
Empty weight (kg/lb)	150/331	110/242.51	187/412.26	133/293.21
Max load (kg/lb)	1134/2500	1134/2500	950/2094	950/2094
Total weight (kg/lb)	1284/2831	1244/2743	1137/2506	1083/2387
Shippable loaded ⁷	No	No	Yes	Yes
Note: NR - Not required; NA - Not available; 1U - 1.75in (44.45mm)				

Table 1. Rack cabinets (continued)

Machine type model ¹	IBM PureFlex System 42U Rack		IBM PureFlex System 42U Expansion Rack	
	9363-4AX	9363-4CX	9363-4BX	9363-4DX
Withdrawal date	-	-	-	-
T-M-F Format	9363- RC4- A31F	9363- RC4- A3GR	9363- RC4- A31G	9363- RC4- A3GS
EIA capacity ²	42U	42U	42U	42U
Sidewall compartments	6	6	6	6
Front stabilizers	Std	Std	Std	Std
Side stabilizers ³	Std	Std	Std	Std
Casters	Std	Std	Std	Std
Leveling feet	Std	Std	Std	Std
Side covers	Std	Std	NR	NR
Rack attachment kit ⁴	NR	NR	Std	Std
Glass front door	-	-	-	-
Perforated front door	NA	NA	NA	NA
PureFlex System Blue Doors	Std	NA	Std	NA
PureFlex System Triplex Doors	NA	Std	NA	Std
Perforated rear door	Std	Std	Std	Std
Height (mm/in) ⁶	2009/79.09	2009/79.09	2009/79.09	2009/79.09
Width (mm/in)	600/23.62	600/23.62	600/23.62	600/23.62
Width w/ Outriggers(mm/in)	780/30.70	780/30.70	780/30.70	780/30.70
Depth (mm/in) ⁶	1194/47.00	1194/47.00	1194/47.00	1194/47.00
Empty weight (kg/lb)	167/368.17	172/379.19	131/288.80	136/299.82
Empty weight w/ Outriggers(kg/lb)	179/394.62	184/405.65	143/315.26	148/326.28
Max load (kg/lb)	953/2101	953/2101	953/2101	953/2101
Total weight (kg/lb)	1132/2495.63	1137/2506.65	1096/2416.26	1101/2427.28
Shippable loaded ⁷	Yes	Yes	Yes	Yes
Note: NR - Not required; NA - Not available; 1U - 1.75in (44.45mm)				

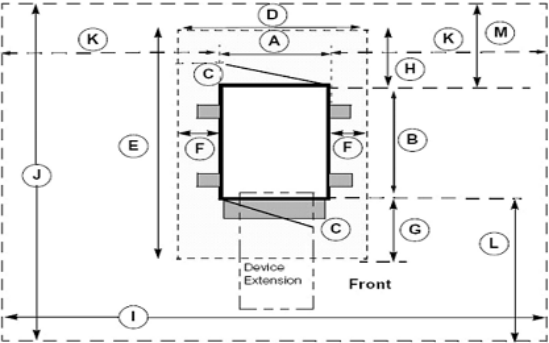
- Notes:**
- This is the option part number. The T-M-F format is for the US and Canada.
 - Conforms to EIA 310 - D Standard 19in rack specification for a Type A cabinet with universal hole spacing.
 - Side stabilizer brackets are included to bolt the cabinet to the floor. They are needed when a single, standalone cabinet is lightly loaded. See the installation instructions for additional information.
 - Required to attach racks together to make a suite.
 - Increased Door and Logo Depth of the PureFlex Blue or Triplex Front door increases the total rack depth.
 - Minimum clearance to the ceiling is 305 mm/12 in.
 - 'Shippable loaded' means the cabinet is capable of being transported with equipment installed. Required packaging is provided. The integrator/assembler is responsible for assuring the stability of the shipped configuration. Rack Integration Services are available from Lenovo.
 - Front door hinged on either side.
 - Rear door is a split door.

Table 2. Floor Layout

	2018-xxx (mm/ inches)	9306-xxx (mm/ inches)	9307-xxx (mm/ inches)	9308-xxx (mm/ inches)	9956-xxx (mm/ inches)	936x-xxx (mm/ inches)	Description
Box footprint							
A	518/20.4	518/20.4	605/23.9	647/25.5	605/23.8	600/23.3	Width of rack
B	1156/45.5	873/34.4	1000/39.4	1104/43.5	1000/39.4	1161/45.70	Depth of rack (not including front stabilizer)
C	533/21	533/21	610/24.0	660/26	-	610/24.0	Front/rear door clearance (when required)
Operational Clearance							

D	610/24	619/24.4	698/27.5	749/29.5	699/28	1820/71.7	Width of Operational Clearance area
E	1880/74	1889/74.4	2372/93.4	2794/110	2372/93	2700/106.29	Depth of Operational Clearance area
F	25/1	50/2	50/2	50/2	610/24	610/24	Left/Right sides of rack to Operational Clearance area
G	914/36	762/30	914/36	914/36	914/36	914/36	Front of rack to Operational Clearance area
H	254/10	254/10	609/24	660/26	305/12	610/24	Rear of rack to Operational Clearance area
Service Clearance							
I	660/26	660/26	2428/95.6	2476/97.5	2428/95.6	2428/95.6	Width of Service Clearance area
J	1981/78	1988/78.3	3286/129.4	3390/133.5	3287/129	3447/135.70	Depth of Service Clearance area
K	75/3	71/2.8	914/36	914/36	914/36	914/36	Left/Right sides of rack to Service Clearance area
L	914/36	914/36	1524/60	1524/60	1524/60	1524/60	Front of rack to Service Clearance area
M	521.9/20.5	762/30	762/30	762/30	762/30	762/30	Rear of rack to Service Clearance area

Figure 2. Rack floor layout



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Rack cabinets and options

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Rack cabinets	Rack mounted products

Table 1. Lenovo Rack Mounted Products¹

Description	Machine type/ model	Size (U) ²	Depth (in)	Approx weight (lb) ³	Conversion kits		
					42C8923 5Ux22D Tower-to-Rack Kit	39Y8382* 5Ux26D Tower-to-Rack Kit	32R0719 7Ux26D Tower-to-Rack Kit II
Server system units ⁴							
x3550	7978	1	28	45			
x3650	7979	2	27.5	73			
x3850 M2, x3950 M2	7141	4	28	112			
BladeCenter w/ two 2000w power supplies	8677	7	28	150			
BladeCenter w/ four 2000w power supplies	8677	7	28	246			
BladeCenter S w/ two 950/1450W power supplies	8886	7	28	153			
BladeCenter S w/ four 950/1450W power supplies	8886	7	28	228			
BladeCenter H w/ two 2900w power supplies	8852	9	29	262			
BladeCenter H w/ four 2900w power supplies	8852	9	29	350			
Storage units							
EXP3000	172701X	2	21	63			
DS3200	17262xx	2	20.5	60			
DS3300	17263xx	2	20.5	60			
DS3400	17264xx	2	20.5	60			
DS4200	18147VH	3	22	88			
DS4700	18147xx	3	22	88			
DS4000 EXP420	18128Vx	3	22	85			
DS4000 EXP810	181281x	3	22	85			
FC Switch 10-port	691810X	2 per 1	6	2			
Tape units							
1U Tape Enclosure	87651UX	1	20	18			
2U Universal Tape Autoloader	33622LX	2	29	34			
TS3100 Tape Library	3573L2U	2	29	33			
TS3200 Tape Library	3573L4U	4	29	33			

General rack placement rules and other information:

- Place the heavier components toward the bottom of the rack (i.e., UPS, then servers or storage, etc.).
- Do not extend more than one component on slide rails at a time.
- Utilize sidewall compartments for mounting PDUs and console switches without using EIA space.
- Consider user and service requirements when mounting components in a rack.

Table 2. Rack options

Option part number	T-M-F / FC ¹	Description	Information
Console support			
172317X	1723-HC1-0051	1U 17in console kit base w/o keyboard	Take command of your space-constrained rack installations with the affordable 1U 17" Flat Panel Monitor Console Kit. Sold without a keyboard there are optional IBM Keyboards available for national language support. This ready-to-deploy solution includes a monitor, keyboard tray and flat panel mounting mechanism packaged in a compact 1U unit. This integrated package is delivered to you assembled and ready to install.

172319X*	1723-HC1-0052	1U 19in console kit base w/o keyboard	When rack real estate is at a premium or when only the best will do, choose the IBM 1U 19a€• Flat Panel Monitor Console Kit. This premier performer in the IBM flat panel monitor family provides a sleek, contoured design with integrated tray for an optional IBM keyboard. Combining a USB port on the front of this unit and a standard Multi-Burner Optical drive, you can take complete advantage of the virtual media capability of our IBM LCM2 and GCMs KVM switches.
17231RX*	1723-HC1-1071	1U 17in Flat Panel Monitor Console Kit with Ultrabay	1U built-in 17in Flat Panel Monitor (17in viewable image), space for UltraNav Keyboard (order keyboard separately), space for Ultrabay CDROM drive.
17233RX*	1723-HC1-1072	1U 15in Flat Panel Monitor Console Kit	1U, built-in 15in Flat Panel Monitor (15in viewable image), space for UltraNav Keyboard (order keyboard separately).
17238BX	1723-HC1-A3EK	IBM 1U 18.5" Standard Console	The IBM 1U 18.5-inch Standard Console offers a power and convenient way to manage space-constrained rack environments from a single console. This 1U solution let's you easily set up and control rack-mounted IBM System X servers, IBM BladeCeners, and Flex systems. It offers space savings by allowing the mounting of the KVM switch in the same U space, behind the console. It supports IBM's UltraNav keyboard, which is available in 29 languages
17238EX	1723-HC1-A3EL	IBM 1U 18.5" Enhanced Media Console	The IBM 1U 18.5-inch Enhanced Media Console offers a DVD burner drive, and 2 USB ports. When used with the IBM GCM or LCM KVM switches and Virtual Media Conversion Option, creates a virtual media solution that allows the out-of-band transfer of data to deploy or patch multiple servers from oone local console. This model also offers the optional CAC reader , 44X3159
17351GX*	1735-HC1-1066	Local Console Manager (LCM2)	1U mounts in sidewall compartments, EIA space, or behind 1U Console Kit; 8 ACT ports; supports one to 128 servers, two local consoles, locally attached media devices.
17353LX*	1735-HC1-2610	IBM 1x8 Console Switch	1U enhanced KVM console switch, mounts in sidewall compartments, EIA space, or behind 1U Console Kit; 8 enhanced KVM/ACT ports; a single switch supports one to 128 servers, one local console.
17354LX	1735-HC1-2611	IBM 2x16 Console Switch	1U enhanced KVM console switch, mounts in sidewall compartments, EIA space, or behind 1U Console Kit; 16 enhanced KVM/ACT ports; a single switch supports one to 256 servers, two local consoles.
31R3130*	3750	3m Console Switch Cable (PS2)	Connects servers with PS/2 K-V-M ports to the enhanced KVM console switches
31R3132*	3751	3m Console Switch Cable (USB)	Connects servers with USB and VGA K-V-M ports to the enhanced KVM console switches
39M2894	3758	Virtual Media Conversion Option	Converts the console signals of servers with USB and VGA console ports and cable management arms (on slides) so they can be connected to a Local or Global Console Manager using Cat5 cable; supports server communication with a media device connected to the console manager. Option includes one cable set.
39M2895	3756	USB Conversion Option Pack	Converts the console signals of servers with USB and VGA console ports and cable management arms (on slides) so they can be chained to connect to a Local or Global Console Manager using Cat5 cable. Option Pack includes four sets of cables.
39M2897	3754	Long KVM Conversion Option Pack	Converts the console signals of servers with PS/2 and VGA console ports and cable management arms (on slides) so they can be chained to connect to a Local or Global Console Manager using Cat5 cable. Option Pack includes four sets of cables.
39Y6824	4144	CD-RW/DVD Combo Ultrabay Enhanced Drive	Compatible with the 17231RX 1U built-in 17in Flat Panel Monitor Console Kit.
40K5372	1723-HC1-8660	UltraNav Keyboard (USB) - US English	IBM Rack Mountable Keyboard & Pointing Device, 3m cable, black, USB, US English.
40K5380	1723-HC1-8668	UltraNav Keyboard (USB) - Canadian French	IBM Rack Mountable Keyboard & Pointing Device, 3m cable, black, USB, French Canadian, 445 multilingual.
42C0030	1723-HC1-8699	UltraNav Keyboard (PS/2) - US English	IBM Rack Mountable Keyboard & Pointing Device, 3m cable, black, PS/2, US English.
42C0038	1723-HC1-8738	UltraNav Keyboard (PS/2) - Canadian French	IBM Rack Mountable Keyboard & Pointing Device, 3m cable, black, PS/2, French Canadian, 445 multilingual.
44X3159	1723-HC1-A3EM	IBM Common Access Card Reader for Enhanced Media Console	The IBM Common Access Card Reader (North America only) offers and expanded level of security which can be used for a wide range of applications such as Secure logical access to computers and networks, Secure authentication for B2B and B2C applications, Digital signatures and Encryption of emails or documents.

Mechanical options			
17237RX	1723-HC1-1070	Fixed Shelf	Supports up to 100lbs.
25R5559	4272	1U Quick Install Filler Panel Kit	Consists of five 1U blank filler panels.
32R0712	4392	Heat Exchanger Rear Door	Rear door for the 9308 Enterprise Rack; requires customer provided chilled water.
40K9627	4852	Acoustic Door Kit for Enterprise Rack	Front and rear doors for the 9308 Enterprise Rack; usable with the BladeCenter and BladeCenter H enclosures.
44X3132	EU21	IBM PureFlex System Rack Door Kit	This PureFlex rack door is used to enclose the front of the rack and comes in a blue color
Power Distribution Support - Power Cables			
39Y7916	6252	Rack Power Cable - 2.5m C19/C20	2.5m long, rated 16A/100-250V, with IEC 320-C19 to IEC 320-C20 connectors, used to connect high power components with C20 inlets to DPI Front-end, High Density, or Enterprise C19 PDUs, and UPS7500XHV, and UPS10000XHV.
39Y7931*	6207	Rack Power Cable - 4.3m C13/5-15P	4.3m long rated 10A/127V with IEC 320-C13 to NEMA 5-15P connectors, used to connect components to the DPI 100-127V NEMA PDU and the UPS3000LV
39Y7932	6263	Rack Power Cable - 4.3m C13/C14	4.3m long rated 10A/100-250V with IEC 320-C13 to IEC 320-C14 connectors, used to connect components to DPI Universal Rack, Enterprise PDUs, and UPS3000HV
39Y7937	6201	Rack Power Cable - 1.5m C13/C14	1.5m long rated 10A/100-250V with IEC 320-C13 to IEC 320-C14 connectors, used to connect components to DPI Universal Rack, Enterprise C13 PDUs, and UPS3000HV
39Y7938	6204	Rack Power Cable - 2.8m C13/C20	2.8m long, rated 10A/100-250V, with IEC 320-C13 to IEC 320-C20 connectors, used to connect components to DPI Front-end, High Density, and Enterprise C19 PDUs, UPS7500XHV and UPS10000XHV, bypassing the need for a DPI Rack PDU.

Notes:

1. Type-Model-Feature or Feature Code. This format is used with the eConfig Product and Solution Configurator in the US and Canada.
2. See the Rack Power Configurator Chapter for a complete listing of PDUs and UPS options.

Rack console options

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Rack options
- Console switching

A console consisting of a keyboard, monitor and pointing device is required by each server for system maintenance and support. The console may be local or remote and may be dedicated to a single server or shared across a large array of servers, which requires the use of one or more console switching devices.

Flat Panel Monitor Console Kits

Figure 1. Flat Panel Monitor Console Kits

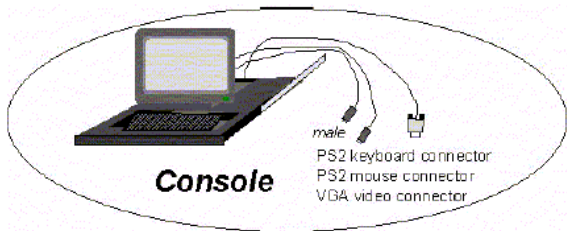


Figure 2. 1U 17in Flat Panel Monitor Console Kit

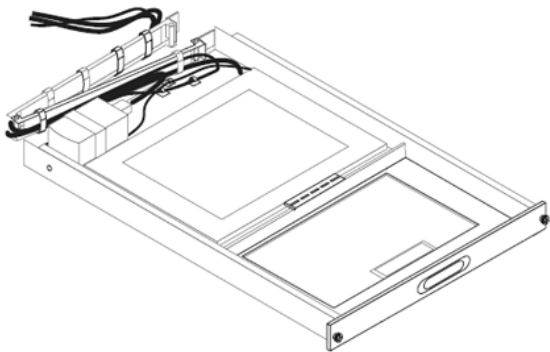
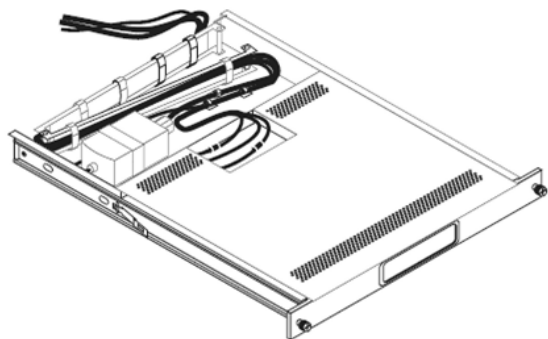


Figure 3. 1U 19in Flat Panel Monitor Console Kit with Optical Drive



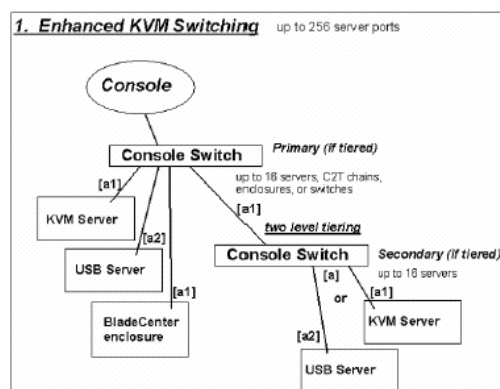
Rack console options

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Rack options
- Console switching

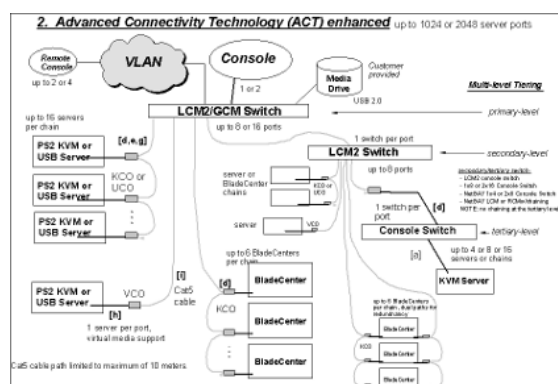
Figure 1. Enhanced KVM Switching



Note:

1. Refer to the cable labeling key in the Cable Options table appearing later in this section

Figure 2. Advanced connectivity Technology (ACT) enhanced



Note:

1. Refer to the cable labeling key in the Cable Options table appearing later in this section.

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Switch options

Option number	T-M-F1	Description ²	Switch type	Type ³	Qty	Ports		
						IN		OUT
						Type	Qty	ACI ports ⁴
17353LX*	1735-HC1-2610	1x8 Console Switch	Enh KVM/ACT Combo	ARI/ACT Combo ⁷	8	PS2 or USB	1	1
17354LX*	1735-HC1-2611	2x16 Console Switch	Enh KVM/ ACT Combo	ARI/ACT Combo ⁷	16	PS2 or USB	2	1
17351GX*	1735-HC1-1066	2x8 Local Console Manager (LCM2)	ACT	ACT	8	PS2 or USB	2	1
17352GX	1735-HC1-1067	2x16 Global Console Manager (GCM2)	ACT	ACT	16	PS2 or USB	1	0
						LAN	1	0

1754A1X	1754-HC3-0725	IBM Local 1X8 Console Manager (LCM8)	ACT	ACT	8	PS2 or USB	2	1
1754A2X	1754-HC4-0726	IBM Local 2X16 Console Manager (LCM16)	ACT	ACT	16	PS2 or USB	2	1
1754D1X	1754-HC1-6694	2x2x16 Global Console Manager (GCM16)	ACT	ACT	16	USB	48	1
1754D2X	1754-HC2-6695	4x2x32 Global Console Manager (GCM32)	ACT	ACT	32	USB	48	1

Switch options (continue)

Capacity								
Option number	T-M-F1	Description ²	Single managers ⁶				Two-level tiering	
			max PS2 KVM servers	max USB KVM servers	max BladeCenter	ACT chains	max switches	max KVM servers
17353LX*	1735-HC1-2610	1x8 Console Switch	128	128	48	8	8	128
17354LX*	1735-HC1-2611	2x16 Console Switch	256	256	96	16	16	256
17351GX*	1735-HC1-1066	2x8 Local Console Manager (LCM2)	128	128	48	8	8	512
17352GX	1735-HC1-1067	2x16 Global Console Manager (GCM2)	256	256	96	16	16	2048
1754A1X	1754-HC3-0725	IBM Local 1X8 Console Manager (LCM8)	128	128	48	8	8	128
1754A2X	1754-HC4-0726	IBM Local 2X16 Console Manager (LCM16)	256	256	96	16	16	256
1754D1X	1754-HC1-6694	2x2x16 Global Console Manager (GCM16)	256	256	96	16	16	2048
1754D2X	1754-HC2-6695	4x2x32 Global Console Manager (GCM32)	512	512	192	32	32	2048

Switch options (continue)

			Capacity			
Option number	T-M-F1	Description2	Three-level tiering		local consoles	remote consoles
			max switches	max KVM servers9,10		
17353LX*	1735-HC1-2610	1x8 Console Switch	-	-	1	-
17354LX*	1735-HC1-2611	2x16 Console Switch	-	-	2	-
17351GX*	1735-HC1-1066	2x8 Local Console Manager (LCM2)	64	1024	2	-
17352GX	1735-HC1-1067	2x16 Global Console Manager (GCM2)	128	2048	1	2
1754A1X	1754-HC3-0725	IBM Local 1X8 Console Manager (LCM8)	-5	-	1	-
1754A2X	1754-HC4-0726	IBM Local 2X16 Console Manager (LCM16)	-5	-	2	-
1754D1X	1754-HC1-6694	2x2x16 Global Console Manager (GCM16)	-5	-	2	2
1754D2X	1754-HC2-6695	4x2x32 Global Console Manager (GCM32)	-5	-	2	4

Switch options (continue)

Standard parts

Option number	T-M-F1	Description2	1U blank filler panel	1.8m Cat5 cable	Cat5 terminator	EIA mounting kit	side-wall mounting kit
17353LX*	1735-HC1-2610	1x8 Console Switch	1	1	8	1	1
17354LX*	1735-HC1-2611	2x16 Console Switch	1	1	16	1	1
17351GX*	1735-HC1-1066	2x8 Local Console Manager (LCM2)	1	1	8	1	1
17352GX	1735-HC1-1067	2x16 Global Console Manager (GCM2)	1	1	16	1	1
17354GX	1735-HC1-1068	4x16 Global Console Manager (GCM4)	1	1	16	1	1
1754A1X	1754-HC3-0725	IBM Local 1X8 Console Manager (LCM8)	1	1	8	1	1
1754A2X	1754-HC4-0726	IBM Local 2X16 Console Manager (LCM16)	1	1	16	1	1
1754D1X	1754-HC1-6694	2x2x16 Global Console Manager (GCM16)	1	2	16	1	1
1754D2X	1754-HC2-6695	4x2x32 Global Console Manager (GCM32)	1	2	32	1	1

- Notes:**
1. Type-Model-Feature ordering system now used in the US and Canada.
 2. All switches are RoHS compliant.
 3. ACT port is an advanced ARI RJ45 port supporting chaining of servers and virtual media using Cat5 cables and appropriate conversion cables (Option P/Ns 39M2894, 39M2895, 39M2896, 39M2897).
 4. ACI port is an RJ45 connector used for direct connection of this switch up to one of the parent switch's ARI or ACT ports using Cat5 cable.
 5. Can not 'host' a three-level tier.
 6. Cannot Mix Servers and Blade Center management modules in the same chain
 7. ARI / ACT Combo ports allow use of either console cables (Option P/Ns 31R3130, 31R3132) or ACT conversion cables (Option P/Ns 39M2895, 39M2896, 39M2897); The Virtual Media Conversion cables, P/Ns 39M2894 and 46M5383, are supported with the 17353LX and 17354LX but the Virtual Media functionality is only supported on the GX models.
 8. 2 USB for Mouse/Keyboard
 9. Max servers in a chain may be limited by the total Cat5 cable length (10M) allowed in a single chain. Longer total cable length causes video quality degradation.
 10. Even though more ACT ports may be be available, the number of servers attached to a primary switch is limited to 1024 due to potential switch performance degradation beyond that number.

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Universal Management Gateway

Universal management gateway attributes

Model	T-M-F1	Description	Manager Type	Auto Sense	Ports	
				Quantity	Ethernet	Local KVM Console
					Quantity	USB/VGA
38583DX	3858-HC1-A4X1	Avocent Universal Management Gateway 6000 for IBM	UMG	40	2	4/1

Universal management gateway attributes(continue)

Model	T-M-F1	Description	Local KVM/ Serial Console/ Service Processor Input	Capacity	
				Network Users	Network Servers (KVM, Serial Console, Service Processor Input2
38583DX	3858-HC1-A4X1	Avocent Universal Management Gateway 6000 for IBM	40	Multiple	1024

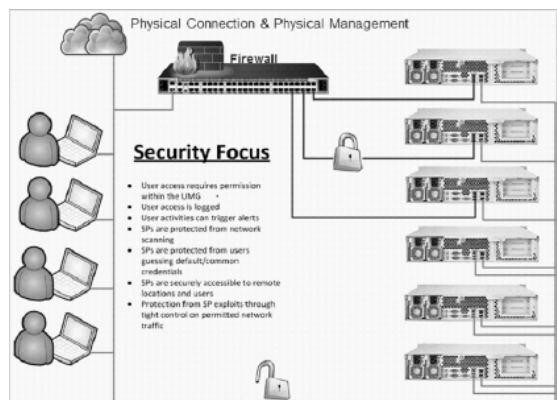
Universal management gateway attributes(continue)

Model	T-M-F1	Description	Access Points		Power Cords	Standard Parts	
			local consoles	remote consoles		RJ45 to DBF9 Cross Adapter	EIA mounting kit
38583DX	3858-HC1-A4X1	Avocent Universal Management Gateway 6000 for IBM	1	2	2	1	1

Notes:

1. Type-Model-Feature ordering system now used in the US and Canada.
2. ACI port is an RJ45 connector used for direct connection of this switch up to one of the parent switch's ARI or ACT ports using Cat5 cable.

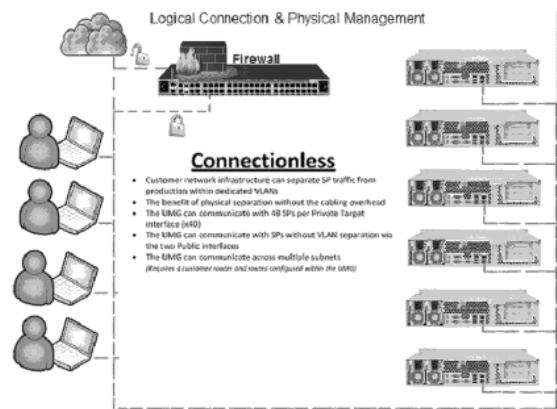
Figure 4. Physical Connection & Physical Management



Security focus

1. User access requires permission within the UMG.
2. User access is logged.
3. User activities can trigger alerts.
4. SPs are protected from network scanning.
5. SPs are protected from users guessing default/common credentials.
6. SPs are securely accessible to remote locations and users.
7. Protection from SP exploits through tight control on permitted network traffic.

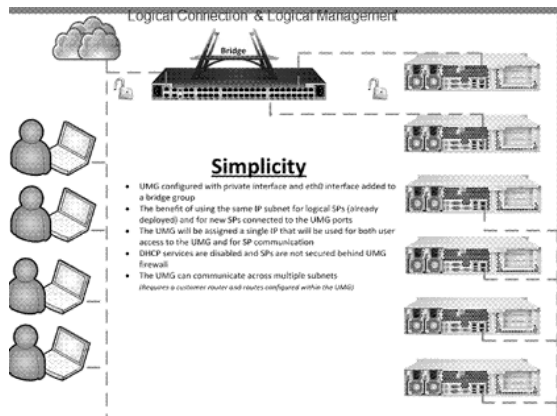
Figure 5. Logical Connection & Physical Management



Connectionless

1. Customer network infrastructure can separate SP traffic from production within dedicated VLANs
2. The benefit of physical separation without the cabling overhead.
3. The UMG can communicate with 48 SPs per Private Target interface (x40).
4. The UMG can communicate with SPs without VLAN separation via the two Public interfaces.
5. The UMG can communicate across multiple subnets (Requires a customer router and routes configured within the UMG).

Figure 6. Logical Connection & Logical Management



Simplicity

1. UMG configured with private interface and eth0 interface added to a bridge group.
2. The benefit of using the same IP subnet for logical SPs (already deployed) and for new SPs connected to the UMG ports.
3. The UMG will be assigned a single IP that will be used for both user access to the UMG and for SP communication.
4. DHCP services are disabled and SPs are not secured behind UMG firewall.
5. The UMG can communicate across multiple subnets (Requires a customer router configured within the UMG).

Universal Management Gateway / Cable Compatibility

Feature Code	Description	UMG Console 3858-HC1 A4X1 3858-3DX base UMG 6000	
UMG Cable		w/o 8971	w/ 8971
A4X4	UMIQ 2 Module cable ¹	40	0
for Integrated Solutions (8971) - order against the server MT3			
Cat5 cable group ²			
3760	1.8m Black Cat5e cable	2	2
3761	3m Black Cat5e cable	2	2
3762	10m Black Cat5e cable	2	2

Notes:

1. UMG Auto Sense Ports can be connected to UMIQ 2 Modules at the server or direct to server Serial Console or Service Processor ports using the Yellow, Green, and Blue CAT5 cable options. The total CAT5 cable length per connection cannot exceed 100m.
2. These Cat5 cables can be used to connect DB1 and DB2 ports to the network.
3. For Integrated Solutions, the UMIQ 2 Module cable is ordered against the associated server so that Manufacturing knows which server to connect with this cable.

Switch placement rules

Mounting locations	LCM2	GCM	GCM16	GCM32	LCM8	LCM16	UMG6000
Monitor shelf switch bay	yes	no	-	-	-	-	-
1U 17in Console switch bay	yes	no	yes	yes	yes	yes	no
1U 15in Console switch bay	yes	yes	-	-	-	-	no
Mount behind 1U 19in Console Kit	-	-	yes	yes	yes	yes	no
Mount behind 1U 18.5" Standard Console Kit	-	-	yes	yes	yes	yes	no
Mount behind 1U 18.5" Enhanced Media Console Kit	-	-	yes	yes	yes	yes	no
Mount behind Fixed Shelf	-	-	yes	yes	yes	yes	no
Side-wall compartment	yes	yes	yes	yes	yes	yes	no
U compartment (EIA space)	yes	yes	yes	yes	yes	yes	yes

Cable options (Table 1)

Label	Part number	Feature code ¹	Description	2.1m KVM cable (PS2 male to PS2 male)	3.8m KVM cable (PS2 male to PS2 male)	3m PS2 KVM cable (PS2 male to RJ45)	3m USB KVM cable (USB,DB15 to RJ45)	260mm C2T chaining cable (C2T male to C2T male) ²	2m C2T chaining cable (C2T male to C2T male) ³	2m C2T breakout cable (C2T male to PS2 female)
[e]	39M2897	3754	long KVM Conversion Option kit (KCO)	-	-	-	-	-	-	-
	-	3755	long KVM conversion cable set	-	-	-	-	-	-	-
	43V6147	3757	IBM Single Cable USB Conversion Option (UCO)	-	-	-	-	-	-	-
	46M5382	5340	IBM Serial Conversion Option (SCO)	-	-	-	-	-	-	-
[g]	39M2895	3756	USB Conversion Option Kit (UCO)	-	-	-	-	-	-	-
[h]	39M2894	3758	Virtual Media Conversion Option (VCO)	-	-	-	-	-	-	-
	46M5383	5341	IBM Virtual Media Conversion Option Gen2 (VCO2)	-	-	-	-	-	-	-
[i]	-	3760 3761	Cat5 cable	various lengths provided with option or by customer						
The following options have been withdrawn from marketing:										
[a]	09N4293	-	Console Cable Set - 7ft	1	-	-	-	-	-	-
[a]	94G7447	-	Console Cable Set - 12ft	-	1	-	-	-	-	-
[a1]	31R3130	3750	3m PS2 Console Switch Cable	-	-	1	-	-	-	-
[a2]	31R3132	3751	3m USB Console Switch Cable	-	-	-	1	-	-	-
[b]	with server	-	C2T chaining cable	-	-	-	-	1	-	-

[c]	06P4792	-	Virtual Media Conversion Option (VCO)	-	-	-	-	-	1	1
[f]	32P1637	-	C2T Conversion Option Kit	-	-	-	-	-	-	-

Cable options (Table 2)

Label	Part number	Feature code1	Description	250mm KCO cable (PS2 male to RJ45)	1.5m KCO cable (PS2 male to RJ45)	114mm CCO cable (C2T male to RJ45)	1.5m UCO cable (USB, DB15 to RJ45)	1.5m VCO cable (USB, DB15 to RJ45)
[e]	39M2897	3754	long KVM Conversion Option kit (KCO)	-	4	-	-	-
	-	3755	long KVM conversion cable set	-	1	-	-	-
	43V6147	3757	IBM Single Cable USB Conversion Option (UCO)	-	-	-	1	-
	46M5382	5340	IBM Serial Conversion Option (SCO)	-	-	-	-	-
[g]	39M2895	3756	USB Conversion Option Kit (UCO)	-	-	-	4	-
[h]	39M2894	3758	Virtual Media Conversion Option (VCO)	-	-	-	-	1
	46M5383	5341	IBM Virtual Media Conversion Option Gen2 (VCO2)	-	-	-	-	-
[i]	-	3760 3761	Cat5 cable	various lengths provided with option or by customer				
The following options have been withdrawn from marketing:								
[a]	09N4293	-	Console Cable Set - 7ft	-	-	-	-	-
[a]	94G7447	-	Console Cable Set - 12ft	-	-	-	-	-
[a1]	31R3130	3750	3m PS2 Console Switch Cable	-	-	-	-	-
[a2]	31R3132	3751	3m USB Console Switch Cable	-	-	-	-	-
[b]	with server	-	C2T chaining cable	-	-	-	-	-
[c]	06P4792	-	C2T Cable Kit	-	-	-	-	-
[f]	32P1637	-	C2T Conversion Option Kit	-	-	1	-	-

Cable options (Table 3)

Label	Part number	Feature code1	Description	150mm Cat5 cable (RJ45 to RJ45)	350mm Cat5 cable (RJ45 to RJ45)	1.8m Cat5 cable (RJ45 to RJ45)	Usage
[d]	39M2896*	3752	short KVM Conversion Option kit (KCO)	4	-	-	servers with PS2 KVM ports and no cable management arms
	-	3753	short KVM conversion cable set	1	-	-	
[e]	39M2897	3754	long KVM Conversion Option kit (KCO)	-	4	-	servers with PS2 KVM ports and with cable management arms
	-	3755	long KVM Conversion Option kit (KCO)	-	1	-	
	43V6147	3757	IBM Single Cable USB Conversion Option (UCO)	-	1	-	
	46M5382	5340	IBM Serial Conversion Option (SCO)	-	-	-	
[g]	39M2895	3756	USB Conversion Option Kit (UCO)	-	4	-	servers with USB +VGA KVM ports
[h]	39M2894	3758	Virtual Media Conversion Option (VCO)	-	-	1	servers with USB +VGA KVM ports
	46M5383	5341	IBM Virtual Media Conversion Option Gen2 (VCO2)	-	-	-	
[i]	-	3760 3761	Cat5 cable	various lengths provided with option or by customer			
The following options have been withdrawn from marketing:							
[a]	09N4293	-	Console Cable Set - 7ft	-	-	-	servers with PS2 KVM ports ⁴
[a]	94G7447	-	Console Cable Set - 12ft	-	-	-	servers with PS2 KVM ports ⁴
[a1]	31R3130	3750	3m PS2 Console Switch Cable	-	-	-	servers with PS2 KVM ports
[a2]	31R3132	3751	3m USB Console Switch Cable	-	-	-	servers with USB +VGA KVM ports
[b]	with server	-	C2T chaining cable	-	-	-	included with x3355
[c]	06P4792	-	C2T Cable Kit	-	-	-	x335
[f]	32P1637	-	C2T Conversion Option Kit	-	-	1	x3356

Other options

Activation Key

Option number	T-M-F1	Description
81Y23937	1754-HC3-0725	IBM 1754 LCM Digital Activation Key
81Y23937	1754-HC4-0726	IBM 1754 LCM Digital Activation Key

Notes:

1. Type-Model-Feature ordering system now used in the US and Canada.
2. Short C2T chaining cable standard with the C2T-capable servers.
3. C2T Cable Kit (P/N 06P4792) includes a long C2T chaining cable for use when interconnected servers are farther than three EIA units apart.
4. PS2 KVM connectors: keyboard 6-pin DIN, mouse 6-pin DIN, video HD-15 VGA.
5. C2T Interconnect ports use special connectors.
6. ACT conversion options convert from PS2 KVM, USB plus VGA, or C2T interconnect to Cat5 RJ45 connectors.
7. This analog switch can have a digital path enabled with this Key and an Avocent DSView 3 License



Rack power configurator

Attention:

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- [Overview](#)
- [US & Canada](#)
- [EMEA](#)
- [Asia Pacific](#)
- [Latin America](#)

Rack Power Products
Sample Power Configurations
Rack Placement

Attention: UPS Data for Latin America and Asia Pacific will be added in a later COG release.

Rack Power Products:

IBM Distributed Power Interconnect (DPI) Power Distribution Units (PDU)

- DPI 100-127v NEMA PDU
- DPI Universal Rack PDU
- DPI Single-phase Front-end PDUs
- DPI Single-phase Enterprise PDUs and PDU+ with Monitoring
- DPI Three-phase Enterprise PDUs and PDU+ with Monitoring
- IBM Single-phase Switched and Monitored PDU
- IBM Three-phase Switched and Monitored PDU
- 0U Single-phase PDUs
- 0U Three-phase PDUs

IBM 7176 Ultra Density Enterprise Power Distribution Units (PDUs)

- Ultra Density Enterprise PDU
- Ultra Density Enterprise PDU+ with Monitoring

IBM Uninterruptable Power Supplies (UPS)

- UPS3000LV*
- UPS3000HV*
- UPS5000XHV
- UPS7500XHV
- UPS10000XHV
- 5395 1500 LV
- 5395 2200 LV
- 5395 3000 LV
- 5395 3000 HV
- 5395 6000 HV

Tower Power Products:

- 5396 1000 LV
- 5396 1500 HV

Power Outlets

IBM power distribution unit

Outlets	C19	C13	5-15R
NEMA PDU	0	0	6
Rack PDU	0	7	0
Front-end PDU	3	0	0
Enterprise C13 PDU	0	12	0
Enterprise C19 PDU	6	0	0
Enterprise C13 PDU+	0	12	0
Enterprise C19/C13 PDU+	9	3	0
Switched and Monitored C13	0	12	0
Switched and Monitored C19/C13	9	3	0
0U PDUs - Basic 24 C13	0	24	0

0U PDUs - Basic 12 C13/12 C19	12	12	0
Ultra Density Enterprise C19/C13 PDU	9	3	0
Ultra Density Enterprise C19/C13 PDU+	9	3	0

IBM uninterruptible power supplies

Outlets	Native ports							
	C19	C13	5-15R	5-20R	5-30R	L5-20R	L6-20R	L6-30R
IBM 3000LV*	0	0	6	0	1	0	0	0
IBM 3000HV*	1	9	0	0	0	0	0	0
IBM 5000XHV	2	8	0	0	0	0	0	0
IBM 7500XHV	4	0	0	0	0	0	0	0
IBM 10000XHV	4	0	0	0	0	0	0	0
5395 1500 LV	0	2	4	0	0	0	0	0
5395 2200 LV	2	2	0	6	0	0	0	0
5395 3000 LV	2	2	0	2	0	1	0	0
5395 3000 HV	2	2	0	0	0	0	2	0
5395 6000 HV	4	0	0	0	0	0	0	2
5396 1000 LV	0	0	8	0	0	0	0	0
5396 1000 HV	0	8	0	0	0	0	0	0
5396 1500 LV(100V)	0	0	0	8	0	0	0	0
5396 1500 LV(120V)	0	0	8	0	0	0	0	0
5396 1500 HV	0	8	0	0	0	0	0	0

Total Ports Using PDUs

UPS	PDU Type	# PDUs	C19	C13	5-15R	5-20R	5-30R	L5-20R	L6-20R	L6-30R
2130 7500XHV	Rack	4	0	28	0	0	0	0	0	0
2130 10000XHV	Rack	4	0	28	0	0	0	0	0	0
2419 5000 HV	Rack	2	0	22	0	0	0	0	0	0
5395 1500 LV	None	0	0	2	4	0	0	0	0	0
5395 2200 LV	Rack	2	0	16	0	6	0	0	0	0
5395 3000 LV	Rack	2	0	16	0	2	0	1	0	0
5395 3000 HV	Rack	2	0	16	0	0	0	0	2	0
5395 6000 HV	Rack	2	0	28	0	0	0	0	0	2
5395 6000 HV	FE	2	6	0	0	0	0	0	0	2
5395 6000 HV	Enterprise C13	2	4	24	0	0	0	0	0	0
5395 6000 HV	Enterprise C19	2	16	0	0	0	0	0	0	0
5395 6000 HV	Enterprise+ C13	2	4	24	0	0	0	0	0	0
5395 6000 HV	Switch&Monitor C13	2	4	24	0	0	0	0	0	0
5395 6000 HV	Switch&Monitor Combo	2	22	6	0	0	0	0	0	0
5395 6000 HV	0U C13	2	4	48	0	0	0	0	0	0
5395 6000 HV	0U Combo	2	28	24	0	0	0	0	0	0

* Lenovo has withdrawn this product from marketing.

Notes: (reference the following graphic):

- Each device usually comes with a power cord. The PDU requires the power cord to have an IEC 320-C14 plug. Order 39Y7932(14ft) if appropriate cord is not provided with the device.
- Each PDU comes with or requires a country-specific power cord.
- P/S = Power Supply.
- One 2m internal rack power cable provided with DPI Rack PDU.
- Devices with C20 power inlets require C19 to C20 power cords.
- Option 39Y7938 provides a C13 to C20 power cord to attach normal devices with C14 power inlets directly to Front-end, Enterprise C19, or High Density PDUs.
- UPS uses a country-specific line cord or has a terminal block requiring an electrician to connect to power source.
- Line cord provided with Front-end PDU.

Attention: Customers are responsible for providing a dedicated circuit for each line cord protected with an appropriate circuit breaker.

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

• Overview	• US & Canada	• EMEA	• Asia Pacific	• Latin America

Rack Power Products **Sample Power Configurations** Rack Placement

Notes: (reference the following graphic):

1. Each device usually comes with a power cord. The PDU requires the power cord to have an IEC 320-C14 plug. Order 39Y7932(14ft) if appropriate cord is not provided with the device.
2. Each PDU comes with or requires a country-specific power cord.
3. P/S = Power Supply.
4. One 2m internal rack power cable provided with DPI Rack PDU.
5. Devices with C20 power inlets require C19 to C20 power cords.
6. Option 39Y7938 provides a C13 to C20 power cord to attach normal devices with C14 power inlets directly to Front-end, Enterprise C19, or High Density PDUs.
7. UPS uses a country-specific line cord or has a terminal block requiring an electrician to connect to power source.
8. Line cord provided with Front-end PDU.

Attention: Customers are responsible for providing a dedicated circuit for each line cord protected with an appropriate circuit breaker.

Sample Power Configuration:

Figure 1.

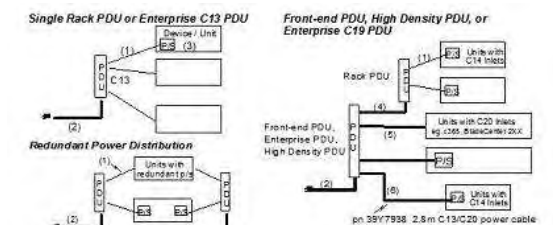


Figure 2.

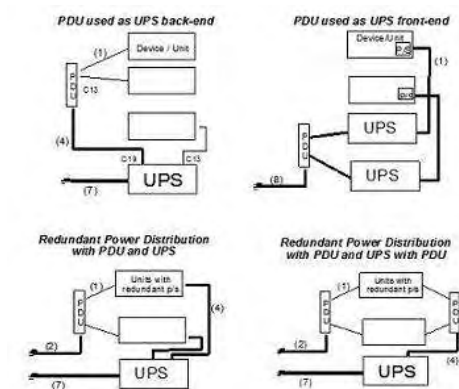
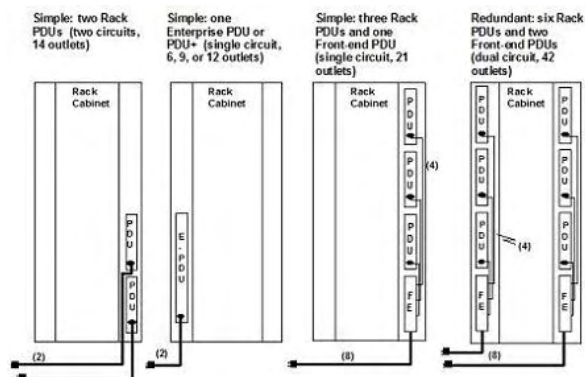


Figure 3.



Rack power configurator

Attention:

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- Overview
- US & Canada
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Rack Power Products Sample Power Configurations Rack Placement

Rack PDU Placement Rules and PDU Capacities

- NetBay and DPI PDUs cannot be mixed in the same side-wall compartment.
- DPI Rack PDUs can be cabled to NetBay Front-end PDUs.

PDUs per Rack	Standard 9307		Enterprise 9308		
	29U 2-bay	42U 2-bay	2-bay	3-bay	4-bay
Rack PDUs	4	8	8	8	12
Front-end PDUs	2	4	2	4	4 or 8
Enterprise PDUs	2	4	2	4	4
High Density PDUs	2	4	4	4	4
Total PDUs	4	12	8	12	16

NOTE: The 9306 11U small rack cabinet does not have a sidewall compartment. A PDU can be installed, but is normally not required.

Figure 1. Rack Cabinets

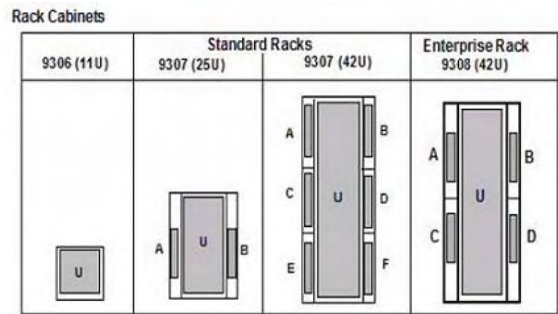


Figure 2. Side-wall Compartment Arrangements

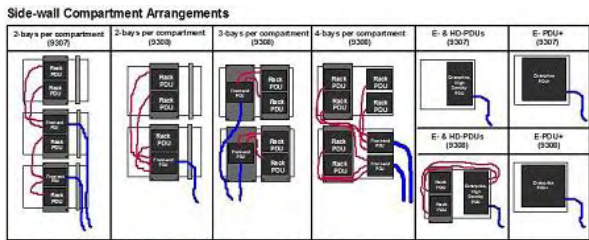
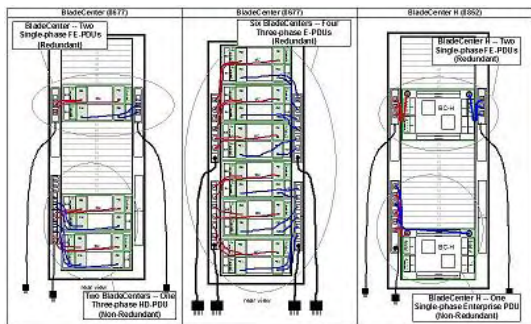


Figure 3.



Rack power configurator

Attention:

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- Overview
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DPI PDU DPI Enterprise and Switched and Monitored PDU IBM 7176 Ultra Density Enterprise PDU IBM UPS

The following PDUs have line cords included:

DPI Power Distribution Units (US and Canada)

Option part number	Feature code	Description	Power cord description	Power source
DPI 100-127V NEMA PDU				
39Y8905	5900	DPI 100-127V NEMA PDU	attached line cord: 9ft NEMA L5-15P	single-phase 15A/100-127V 60Hz
		Specifications		
		Outlets:	six NEMA 5-15R	
		Power Capacity:	1440W @ 120V	
		Power Limit per Outlet:	10A	
		Grouping:	six per phase	
		Power Limit per Group:	-	
		Power Limit per PDU:	12A circuit breaker	
		Power Monitoring:	No	

DPI Universal Rack PDU

	5950	DPI Universal Rack PDU (US)	rack power cable: 2m C19/C20	another PDU or UPS (100-250V)
39Y8951	5949		line cord: 4.3m NEMA L5-20P	single-phase 20A/120V 60Hz
	5951		line cord: 4.3m NEMA L6-20P	single-phase 20A/208V 60Hz
	5960		line cord: 4.3m AS/NZS	single-phase 15A/230V
	5961		line cord: 4.3m GB	single-phase 16A/220V
	5962		line cord: 4.3m IS	single-phase 16A/240V
	5963		line cord: 4.3m JIS	single-phase 15A/100V
	5964		line cord: 4.3m JIS	single-phase 15A/200V
	5965		line cord: 4.3m KSC	single-phase 15A/250V
	5966		line cord: 4.3m CNS	single-phase 16A/125V
	5967		line cord: 4.3m CNS	single-phase 16A/250V
	5952		line cord: 4.3m IRAM	single-phase 16A/220V
	5953		line cord: 4.3m NBR	single-phase 15A/125V
		Specifications		
		Version:	to PDU or UPS	LV line cord
		Outlets:	seven IEC C13	seven IEC C13
		Power Capacity:	3000W @ 200V	1800W @ 120V
		Power Limit per Outlet:	10A	10A
		Grouping:	seven per phase	seven per phase
		Power Limit per Group:	-	-
		Power Limit per PDU:	15A circuit breaker	15A circuit breaker
		Power Monitoring:	No	No

DPI Front-end PDU					
39Y8938	A11S	DPI Single-phase 30A/120V Front-end PDU (US)	detachable line cord: 2.5m NEMA L5-30P		single-phase 30A/120V
39Y8939	A11T	DPI Single-phase 30A/208V Front-end PDU(US)	detachable line cord: 2.5m NEMA L6-30P		single-phase 30A/208V
39Y8940	A11U	DPI Single-phase 60A/208V Front-end PDU(US)	detachable line cord: 2.5m IEC 309 2P+G		single-phase 60A/208V
39Y8937	A11X	DPI Single-phase 32A/230V Front-end PDU (Aus/NZ)	detachable line cord: 2.5m AS/NZS 3112		single-phase 32A/230V
39Y8936	A11Y	DPI Single-phase 30A/220V Front-end PDU (S Korea)	detachable line cord: 2.5m KSC 8305		single-phase 30A/220V
		Specifications			
		Version: 30A/120V	30A/208V	60A/208V	
		Outlets: three IEC C19	three IEC C19	three IEC C19	
		Power Capacity: 2880W @ 120V	4992W @ 208V	9984W @ 208V	
		Power Limit per Outlet: 16A	16A	16A	
		Power Limit per PDU: 24A	24A	48A	
		Power Monitoring: No	No	No	

DPI High Density PDU					
-	-	-	-	-	

Notes:
1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options. When ordering PDUs as separate options, use the Option Part Number. For integrated rack-based solutions, Feature Codes are used to order the PDUs as features of the Rack Cabinet. Feature Codes are used with the eConfig Product and Solution Configurator.

Rack power configurator

Attention:

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Overview	US & Canada	EMEA	Asia Pacific	Latin America
DPI PDU	DPI Enterprise and Switched and Monitored PDU	IBM 7176 Ultra Density Enterprise PDU	IBM UPS	

DPI Enterprise Power Distribution Units (US & Canada)

Order a PDU Module...			Plus a Line Cord					
Feature code for bundle	Option part number	Feature code	PDU model description	+	Option part number	Feature code	Power card description	Power source
DPI Enterprise PDU and PDU +								
6012	39Y8941	6010	DPI C13 Enterprise Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V 60Hz
6013	39Y8941	6010	DPI C13 Enterprise Module (WW)	+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V 60Hz
6013	39Y8941	6010	DPI C13 Enterprise Module (WW)	+	40K9618	6018	DPI C13 Enterprise PDU (S Korea)	Single-phase 30A/250V
			Specifications					
			Version: 30A/208V		60A/208V			
			Outlets: twelve IEC C13		twelve IEC C13			
			Power Capacity: 4992W @ 208V		9984W @ 208V			
			Power Limit per Outlet: 10A		10A			
			Grouping: -		-			
			Power Limit per Group: -		-			
			Power Limit per PDU: 24A		48A			
			Power Monitoring: No		No			
6062	39Y8948	6060	DPI C19 Enterprise Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V 60Hz
6063	39Y8948	6060	DPI C19 Enterprise Module (WW)	+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V 60Hz
6061	39Y8923	6061	DPI C19 Enterprise 3ph Module (US)				attached line cord: 4.3m IEC 309 3P+G	three-phase 60A/208V 60Hz
			Specifications					
			Version: 30A/208V		60A/208V	3-phase		
			Outlets: six IEC C19		six IEC C19	six IEC C19		
			Power Capacity: 4992W @ 208V		9984W @ 208V	17285W @ 208V		
			Power Limit per Outlet: 16A		16A	16A		
			Grouping: -		-	two per phase		
			Power Limit per Group: -		-	27.7A		
			power limit per pdu: 24A		48A	-		
			Power Monitoring: No		No	No		
6032	39M2816	6030	DPI C13 Enterprise PDU Plus Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V 60Hz

6033	39M2816	6030	DPI C13 Enterprise PDU Plus Module (WW)	+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V 60Hz
A3TF	44X3193	A3TF	DPI Three Phase 60A/208V Enterprise C13 PDU Plus (US)				Attached Line Cord: 4.3m IEC 309 3P +G (US) Line Cord	three-phase 60A/208V
			Specifications					
			Version: 30A/208V		60A/208V	60A/208V		
			Outlets: twelve IEC C13		twelve IEC C13	twelve IEC C13		
			Power Capacity: 4992W @ 208V		9984W @ 208V	16620W @ 208V		
			Power Limit per Outlet:		10A	10A		
			Grouping: -		-	-		
			Power Limit per Group:		-	-		
			Power Limit per PDU:		24A	48A		
			Power Monitoring: Yes		Yes	Yes		
5901	46M4002	6500	DPI 9 C19/3 C13 Switched and Monitored PDU Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V
5902	46M4002	6501	DPI 9 C19/3 C13 Switched and Monitored PDU Module (WW)	+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V
			Specifications					
			Version: 30A/208V		60A/208V			
			Outlets: three IEC C13		six IEC C19	three IEC C13	six IEC C19	
			Power Capacity: 4992W @ 208V		9984W @ 208V			
			Power Limit per Outlet:		10A	16A	10A	16A
			Grouping: -		-			
			Power Limit per Group:		-			
			Power Limit per PDU:		24A		48A	
			Power Monitoring: Yes		Yes			
5908	46M4004	5894	DPI C13 Switched and Monitored PDU Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V
5909	46M4004	5894	DPI C13 Switched and Monitored PDU Module (WW)	+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V
			Specifications					
			Version: 30A/208V		60A/208V			
			Outlets: twelve IEC C13		twelve IEC C13			
			Power Capacity: 4800W @ 200V		9600W @ 200V			
			Power Limit per Outlet:		10A		10A	
			Grouping: -		-			
			Power Limit per Group:		-			
			Power Limit per PDU:		24A		48A	
			Power Monitoring: Yes		Yes			
-	46M4003	58972	IBM 1U 9 C19/3 C13 Switched and Monitored 60A 3 Phase PDU				Attached 4.3m, 60A/208V IEC 309 3P+G 3ph delta (US) Line Cord	3p, 60A/208V
-	46M4005	58952	IBM 1U 12 C13 Switched and Monitored 60A 3 Phase PDU				Attached 4.3m, 60A/208V IEC 309 3P+G 3ph delta (US) Line Cord	3p, 60A/208V
-	46M4167	5928	IBM 1U 9 C19/3 C13 Switched and Monitored 30A 3 Phase PDU				Attached Line Cord (3.0m, 30A/208V NEMA L21-30P 3P +N+G 3ph WYE (US) Line Cord)	three-phase, 30A/208V
			Specifications					
			Version: 3P, 60A/208V 9 C19/3 C13		3P,60A/208V 12 C13	3P,30A/208V C19/3 C13		

Outlets:	nine IEC C19/3	three IEC C13	twelve IEC C13	nine IEC C19/3	three IEC C13
Power Capacity:	16800W @ 208V		16800W @ 208V	8400W @ 208V	
Grouping:	each phase has one c13 and three c19		each phase has four c13	each phase has one c13 and three c19	
Power Limit per Group:	27.7		27.7	13.9	
Power Limit per Outlet:	IEC C13 10A, IEC C19 16A		10A	10A	
Power Limit per PDU:	83A		83A	42A	
Power Monitoring:	Yes		Yes	Yes	

IBM 0U PDUs

46M4125	5923	IBM 0U 24 C13 30A 3 Phase Basic PDU	Attached Line Cord (3.0m, 30A/120V/208V NEMA L21-30P 3P+N +G 3ph Delta (US) Line Cord)	three-phase, 30A/208V
46M4128	5924	IBM 0U 24 C13 30A Basic PDU	Attached Line Cord (3.0m, 30A/208V L6-30P 1ph (US) Line Cord)	single-phase, 30A/208V
46M4140	5926	IBM 0U 12 C19/12 C13 50A 3 Phase PDU	Attached Line Cord (3.0m, 50A/208V CS8365L 3ph delta (US) Line Cord)	three-phase, 50A/208V

Specifications

Version:	30A/208V	30A/208V	50A/208V
Outlets:	twenty four IEC C13	twenty four IEC C13	twelve IEC C13 / twelve IEC C19
Power Capacity:	8400W @ 208V	4800W @ 208V	14000W @ 208V
Power Limit per Outlet:	10A	10A	10A, 16A
Grouping:	eight per phase	-	four C13 and 4 C19 per phase
Power Limit per Group:	13.9A	-	23.4A
Power Limit per PDU:	42A	24A	70A
Power Monitoring:	No	No	No

IBM 0U PDUs - Switched and Monitored

46M4116	5929	IBM 0U 24 C13 Switched and Monitored 30A PDU	Attached Line Cord (3.0m, 30A/208V L6-30P (US) Line Cord)	single-phase, 30A/208V
46M4134	5931	IBM 0U 12 C19/12 C13 Switched and Monitored 50A 3 Phase PDU	Attached Line Cord (3.0m, 50A/208V CS8365L 3ph delta (US) Line Cord)	three-phase, 50A/208V

Specifications

Version:	30A/208V	50A/208V
Outlets:	twenty four IEC C13	twelve IEC C13 / twelve IEC C19
Power Capacity:	4800W @ 208V	14000W @ 208V
Power Limit per Outlet:	10A	C13 10A, C19 16A
Grouping:	-	four C13 and four C19 per phase
Power Limit per Group:	-	23.4A
Power Limit per PDU:	24A	70A
Power Monitoring:	Yes	Yes

* Lenovo has withdrawn this product from marketing.

This table describes some of the IBM Distributed Power Interconnect products that are part of a family of power distribution units (PDUs). See the table 'DPI Power Distribution Units' for more options. When ordering PDUs as separate options use the Option Part Number. For integrated rack-based solutions, Feature Codes are used to order the PDUs as features of the Rack Cabinet. Feature Codes for Bundles are used with the eConfig Product and Solution Configurator.

Notes:

1. For C19/C13 PDUs, each C19 outlet has a 20A circuit breaker. Each C13 shares one of the C19 circuit breakers.

Rack power configurator

Attention:

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Overview	US & Canada	EMEA	Asia Pacific	Latin America
DPI PDU	DPI Enterprise and Switched and Monitored PDU	IBM 7176 Ultra Density Enterprise PDU		IBM UPS

IBM 7176 Ultra Density Enterprise Power Distribution Units (US & Canada)

Order a PDU Module...			Plus a Lin e Cord		Feature code	Power cord description	Power source
MTM	Feature code	PDU model description	SEO/Option part number				
IBM Ultra Density Enterprise PDU and PDU+							
7176 - PN1 IBM Ultra Density Enterprise C19/C13 PDU							
71762NX	6050	IBM Ultra Density Enterprise C19/C13 PDU Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V 60Hz
			+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V 60Hz
		Specifications					
		Version:		30A/208V		60A/208V	
		Outlets:		nine IEC C19	three IEC C13	nine IEC C19	three IEC C13
		Power Capacity:		4992W @ 208V		9984W @ 208V	
		Power Limits -					
		per outlet:		16A	10A	16A	10A
		grouping:		pairing of one 10A with one 16A		pairing of one 10A with one 16A	
		per group:		20A		20A	
		per PDU:		24A		48A	
		Power Monitoring:		No		No	
		71763NU	6051	IBM Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph (US)			
		Specifications					
		Version:		3-phase			
		Outlets:		nine IEC C19	three IEC C13		
		Power Capacity:		17285W @ 208V			
		Power Limit -					
		per Outlet:		16A	10A		
		grouping:		each phase has three 16A + one 10A			
		per group		27.7A			
		per PDU:		--			
		Power Monitoring:		No			
		7176 - PM1 IBM Ultra Density Enterprise C19/C13 PDU+					
71762MX*	6090	IBM Ultra Density Enterprise C19/C13 PDU+ Module (WW)	+	40K9614	6500	4.3m, 30A/208V, NEMA L6-30P (US) Line Cord	single-phase 30A/208V 60Hz
			+	40K9615	6501	4.3m, 60A/208V, IEC 309 2P+G (US) Line Cord	single-phase 60A/208V 60Hz
		Specifications					

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	Version: 30A/208V 60A/208V			
	Outlets: nine IEC C19 three IEC C13 nine IEC C19 three IEC C13			
	Power Capacity: 4992W @ 208V 9984W @ 208V			
	Power Limits -			
	per outlet: 16A 10A 16A 10A			
	grouping: pairing of one 10A with one 16A pairing of one 10A with one 16A			
	per group: 20A 20A			
	per PDU: 24A 48A			
	Power Monitoring: Yes Yes			

71763MU	6091	IBM Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph (US)	attached line cord: 4.3m IEC 309 3P+Gnd	three-phase delta 60A/208V 60Hz

	Specifications			
	Version: 3-phase			
	Outlets: nine IEC C19 three IEC C13			
	Power Capacity: 17285W @ 208V			
	Power Limit -			
	per Outlet: 16A 10A			
	grouping: each phase has three 16A + one 10A			
	per group 27.7A			
	per PDU: --			
	Power Monitoring: Yes			

Notes:

1. This table describes some of the IBM power distribution unit products available for use with System x and BladeCenter servers.
2. For C19/C13 PDUs, each C19 outlet has a 20A circuit breaker. Each C13 shares one of the C19 circuit breakers.
3. The combined load on the C13 and associated C19 must not exceed 20A.
4. These PDUs carry their own Machine Type number.
5. When ordering Line Cords as separate options, use the Single Entity Offering (SEO) order part number.
6. For integrated rack-based solutions, Feature Codes are used to order the Line Cords as features of the PDUs.
7. See the table DPI Power Distribution Units for more options.

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Overview
- US & Canada
- EMEA
- Asia Pacific
- Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU IBM 7176 Ultra Density Enterprise PDU **IBM UPS**

IBM Uninterruptable Power Supplies (US & Canada)

Order a UPS Product...			Plus a Line Cord			
Option part number	Feature code	Description	Option part number	Feature code	Description	Power source
IBM Tower UPS (2130-TU1)						
2130R3X	1083	IBM UPS1000TLV	attached line cord: 6ft NEMA 5-15P			single-phase 15A/120V
2130R5X	1085	IBM UPS1500TLV	attached line cord: 6ft NEMA 5-15P			single-phase 15A/120V
	Specifications					
	Version: 1000VA			1500VA		
	Outlets: eight NEMA 5-15R			eight NEMA 5-15R		
	Power Capacity: 670W			980W		
	Power Limit per Outlet: 10A			10A		
	Power Limit per UPS: 8.3A			12A		
	Power Monitoring: Yes			Yes		
	Battery Expansion: No			No		

IBM Rack UPS (2130-RU1)*

21301RX*	1077	IBM UPS3000LV	attached line cord: 12ft NEMA L5-30P			
40K9620*	5742	IBM UPS Extend Run Battery Pack (2U)				
		Specifications				
		Outlets:	six NEMA 5-15R	one NEMA L5-30R		
		Power Capacity:	2700W @ 120V			
		Power Limit per Outlet:	10A	10A		
		Grouping:	2x(two 5-15R)	1x(two 5-15R + L5-30R)		
		Power Limit per Group:	20A	20A		
		Power Limit per UPS:	24A			
		Power Monitoring:	Yes			
		Battery Expansion:	Yes, four 2U units max (P/N 40K9620)			
21302RX*	1078	IBM UPS3000HV	select from the list of Line Cords below:			
		Line Cords:				
		40K9772	6275	4.3m, 16A/208V, C19 to NEMA L6-20P (US) Line Cord		
21303RX	1079	IBM UPS7500XHV	requires electrician to connect to source power circuit (with 50A circuit breaker (typical))			
39Y8857	5743	IBM UPS Extend Run Battery Pack (3U)				
		Specifications				
		Version: single phase				
		Outlets: four IEC C19 (using Rack PDUs: 28 IEC C13)				
		Power Capacity: 6000W @ 200V				
		Power Limit per Outlet: 15A				
		Power Limit per UPS: 38A				

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		Power Monitoring: Yes	
		Battery Expansion: Yes, four 3U units max (P/N 39Y8857)	
21304RX	1080	IBM UPS10000XHV	requires electrician to connect to source power circuit (with 70A circuit breaker (typical))
39Y8857	5743	IBM UPS Extend Run Battery Pack (3U)	
		Specifications	
		Version: single phase	
		Outlets: four IEC C19 (using Rack PDUs: 28 IEC C13)	
		Power Capacity: 8000W @ 200V	
		Power Limit per Outlet: 15A	
		Power Limit per UPS: 50A	
		Power Monitoring: Yes	
		Battery Expansion: Yes, four 3U units max (P/N 39Y8857)	

IBM Rack UPS (2419-RU1)			
24195KX	7618	IBM UPS5000XHV	select from the list of Line Cords below: Single Phase 30A/208V
		Line Cords:	
		40K9614	6500 4.3m, 30A/208V, Souriau UTG Female to NEMA L6-30P (US) Line Cord
39Y8857	5743	IBM UPS Extend Run Battery Pack (3U)	
		Specifications	
		Outlets:	eight IEC 320 C13 two IEC 320 C19
		Power Capacity:	4500W @ 208V
		Power Limit per Outlet:	10A 16A
		Grouping:	2x(1 C19+4 C13) 1x(1 C19+4 C13)
		Power Limit per Group:	20A 20A
		Power Limit per UPS:	24A
		Power Monitoring:	Yes
		Battery Expansion:	Yes, four 3U units max(P/N 39Y8857)

IBM Rack UPS (5395-RU1)			
53951AX*	6653	IBM 1500VA LCD 2U Rack UPS (100V/120V)	US Line cord ships with this UPS-4.3m 13A/125V C13 to NEMA L5-15P (US) Single phase 15A/120V
		Specifications	
		Version:	Single-phase LV source (120V)
		Outlets:	four NEMA 5-15R two IEC 320 C13
		Power Capacity:	1000W @ 120V
		Power Limit per Outlet:	12A 16A
		Power Limit per UPS:	8.3A
		Power Monitoring:	Yes
		Battery Expansion:	No
53951KX*	6654	IBM 1500VA LCD 2U Rack UPS (230V)	select from the list of Line Cords below: Single Phase 15A/208V
		Line Cords:	
		23R7145	6372 2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
		Specifications	
		Version:	International Single-phase (220-240V) source
		Outlets:	four IEC C13
		Power Capacity:	1000W @ 220-240V
		Power Limit per Outlet:	10A
		Power Limit per UPS:	4.5A
		Power Monitoring:	Yes
		Battery Expansion:	No

IBM Rack UPS (5395-RU2)			
53952AX	6655	IBM 2200VA LCD 2U Rack UPS (100V/120V)	US Line cord ships with these UPS's-4.3m 16A/120V C19 to NEMA L6-20P (US) Single phase 20A/120V

46M41081	5732	IBM 2200VA UPS 2U Extended Battery Module			
		Specifications			
		Version:	US Single-phase LV source (120V)		
		Outlets:	six NEMA 5-20R	two IEC C13	two IEC C19
		Power Capacity:	1920W @ 120V		
		Power Limit per Outlet:	16A	10A	16A
		Power Limit per UPS:	16A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 2U units max (P/N 46M4108)		
53952KX	6656	IBM 2200VA LCD 2U Rack UPS (230V)		select from the list of Line Cords below:	Single Phase 15A/208V
		Line Cords:			
		23R7145	6372	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord	
46M41081	5732	IBM 2200VA UPS 2U Extended Battery Module			
		Specifications			
		Version:	International Single-phase (220-240V) source		
		Outlets:	eight IEC C13	two IEC C19	
		Power Capacity:	1920W @ 220-240V		
		Power Limit per Outlet:	10A	16A	
		Power Limit per UPS:	8.73A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 2U units max (P/N 46M4108)		
IBM Rack UPS (5395-RU3)					
53953AX*	6657	IBM 3000VA LCD 3U Rack UPS (100V/120V)		Attached Line Cord-2.0m 24A/125V NEMA L5-30P	
69Y19822	5733	IBM 3000VA UPS 3U Extended Battery Module			
		Specifications			
		Version:	US Single-phase LV source (120V)		
		Outlets:	two NEMA 5-20R	one NEMA L5-20R	two IEC C13 two IEC C19
		Power Capacity:	2300/2700W @ 120V		
		Power Limit per Outlet:	16A	16A	10A 16A
		Power Limit per UPS:	22.5A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 3U units max (P/N 69Y1982)		
53953JX*	6658	IBM 3000VA LCD 3U Rack UPS (208V)		US Line cord ships with these UPS's-4.3m 16A/208V C19 to NEMA L6-20P (US)	
69Y19822	5733	IBM 3000VA UPS 3U Extended Battery Module			
		Specifications			
		Version:	US Single-phase HV source (208V)		
		Outlets:	two NEMA L6-20R	two IEC C13	two IEC C19
		Power Capacity:	2700W @ 208V		
		Power Limit per Outlet:	10A	16A	16A
		Power Limit per UPS:	13A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 3U units max (P/N 69Y1982)		
53953KX	6659	IBM 3000VA LCD 3U Rack UPS (230V)		select from the list of Line Cords below:	Single Phase 20A/208V
		Line Cords:			
		40K9614	6500	4.3m, 160A/208V, C19 to NEMA L6-20P (US) Line Cord	
69Y19822	5733	IBM 3000VA UPS 3U Extended Battery Module			
		Specifications			
		Version:	International Single-phase (220-240V) source		
		Outlets:	eight IEC C13	two IEC C19	
		Power Capacity:	2700W @ 220-240V		

		Power Limit per Outlet:	10A	16A	
		Power Limit per UPS:	12.3A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 3U units max (P/N 69Y1982)		
IBM Rack UPS (5395-RU4)					
53956AX	6660	IBM 6000VA LCD 4U Rack UPS (200V/208V)			-
69Y1984*3	5734	IBM 6000VA UPS 3U Extended Battery Module			
		Specifications			
		Version:	Japan/US Single-phase HV source (200V/208V)		
		Outlets:	two NEMA L6-30R	four IEC C19	
		Power Capacity:	5600		
		Power Limit per Outlet:	24A	16A	
		Power Limit per UPS:	28A/26.9A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 3U units max (P/N 69Y1984)		
53956KX*	6661	IBM 6000VA LCD 4U Rack UPS (230V)			-
69Y1984*3	5734	IBM 6000VA UPS 3U Extended Battery Module			
		Specifications			
		Version:	International Single-phase (230V) source		
		Outlets:	six IEC C13	four IEC C19	
		Power Capacity:	5600		
		Power Limit per Outlet:	10A	16A	
		Power Limit per UPS:	24.3A		
		Power Monitoring:	Yes		
		Battery Expansion:	Yes, one 3U units max (P/N 69Y1984)		
IBM Rack UPS (5395-RU5)					
53959KX	6662	IBM 11000VA LCD 5U Rack UPS (200/208/230V)			-
69Y19864	5735	IBM 11000VA UPS 3U Extended Battery Module			
		Specifications			
		Version:	Japan/US Single-phase HV source (200V/208V)	International Single-phase (230V) source	
		Outlets:	eighth IEC C19	eight IEC C19	
		Power Capacity:	10000W		
		Power Limit per Outlet:	16A	16A	
		Power Limit per UPS:	50A/48.1A	43.5A	
		Power Monitoring:	Yes	Yes	
		Battery Expansion:	Yes, one 3U units max (P/N 69Y1986)		
IBM Tower UPS (5396-TU1)					
53961AX	6663	IBM 1000VA LCD Tower UPS (120V)	US Line cord ships with these UPS's: 2.8M, C13 to NEMA 5-15P (US)	Single Phase 15A/120A	
		Specifications			
		Version:	1000A		
		Outlets:	eight Nema 5-15R		
		Power Capacity:	750W		
		Power Limit per Outlet:	10A		
		Power Limit per UPS:	8.33A		
		Power Monitoring:	Yes		
		Battery Expansion:	No		
IBM Tower UPS (5396-TU2)					
53962AX*	6666	IBM 1500VA LCD Tower UPS (120V)	US Line cord ships with these UPS's: 2.8M, C13 to NEMA 5-15P (US)	Single Phase 15A/120A	

Specifications

Version:	1500VA
Outlets:	eight Nema 5-15R
Power Capacity:	1000W
Power Limit per Outlet:	10A
Power Limit per UPS:	12.5A
Power Monitoring:	Yes
Battery Expansion:	No

* Lenovo has withdrawn this product from marketing.

This table describes the IBM System x family Uninterruptable Power Supply (UPS) products. Feature Codes are used with the eConfig Product and Solution Configurator.

Notes:

1. Works with 5395 RU2 models only
2. Works with 5395 RU3 models only
3. Works with 5395 RU4 models only
4. Works with 5395 RU5 models only

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Overview	US & Canada	EMEA	Asia Pacific	Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU IBM 7176 Ultra Density Enterprise PDU IBM UPS

The following PDU products have line cords included:

DPI Power Distribution Units (EMEA)

Option part number	Description	Power cord description	Power source
39Y8905	DPI 100-127V NEMA PDU	9 ft hardwired line cord with NEMA L5-15P plug	single-phase 15A/100-127V
DPI Universal Rack PDU (includes 2m C19/C20 rack power cable)			
any of the following	DPI Universal Rack PDU module without line cord	rack power cable: 2m C19/C20	another PDU or UPS (100-250V)
39Y8952	DPI Universal Rack PDU (Europe)	line cord: 4.3m CEE7-VII	single-phase 16A/230V
39Y8953	DPI Universal Rack PDU (Den/Sws)	line cord: 4.3m IEC 309 P+N+G	single-phase 16A/230V
39Y8954	DPI Universal Rack PDU (Israel)	line cord: 4.3m SI 32	single-phase 16A/230V
39Y8955	DPI Universal Rack PDU (Italy)	line cord: 4.3m CEI 23-16	single-phase 16A/230V
39Y8956	DPI Universal Rack PDU (South Africa)	line cord: 4.3m SABS 164	single-phase 16A/230V
39Y8957	DPI Universal Rack PDU (UK)	line cord: 4.3m BS 1363/A	single-phase 13A/230V
39Y8951	DPI Universal Rack PDU (US)	line cord: 4.3m NEMA L5-20P (detachable)	single-phase 20A/120V 60Hz
		line cord: 4.3 NEMA L6-20P (detachable)	single-phase 20A/208V 60Hz
39Y8962	DPI Universal Rack PDU (Argentina)	line cord: 4.3m IRAM 2037	single-phase 16A/220V
39Y8960	DPI Universal Rack PDU (Brazil)	line cord: 4.3m NBR 6147	single-phase 15A/125V
39Y8958	DPI Universal Rack PDU (Australia/New Zealand)	line cord: 4.3m AS/NZS 3112	single-phase 15A/230V
39Y8959	DPI Universal Rack PDU (China)	line cord: 4.3m GB 2099.1	single-phase 16A/220V
39Y8961	DPI Universal Rack PDU (India)	line cord: 4.3m IS 6538	single-phase 16A/240V
39Y8951	DPI Universal Rack PDU with Nema L5-20P and L6-20P	line cord: 4.3m NEMA L6-20P	single-phase 16A/208V

Specifications

Version: to PDU or UPS	16A/230V	UK	Saudi Arabia (US LV)
Outlets: seven IEC C-13	seven IEC C-13	seven IEC C-13	seven IEC C-13
Power Capacity: 3000W @ 200V	3450W @ 230V	2990W @ 230V	1800W @ 120V
Power Limit per Outlet: 10A	10A	10A	10A
Power Limit per PDU: 15A	15A	13A	15A
Power Monitoring: No	No	No	No

DPI Front end PDU

39Y8938	DPI Single-phase 30A/120V Front-end PDU (US)	line cord: 2.5m NEMA L5-30P	single-phase 30A/120V
39Y8934	DPI Single-phase 32A/230V Front-end PDU high voltage (non US)	line cord: 2.5m IEC 309 P+N+G	single-phase 32A/220-240V
39Y8935	DPI Single-phase 63A/230V Front-end PDU high voltage (non US)	line cord: 2.5m IEC 309 P+N+G	single-phase 63A/220-240V
39Y8939	DPI 30amp Front End PDU w/ Nema L6-30P	line cord: 2.5m NEMA L6-30P	single-phase 30A/208V
39Y8940	DPI 60amp Front End PDU w/ IEC 309 2P + N + G	line cord: 2.5m IEC 309 2P+G	single-phase 60A/208V

Specifications

Version: 30A/120V	32A/220-240V	63A/220-240V
Outlets: three IEC C19	three IEC C19	three IEC C19
Power Capacity: 2880W @ 120V	7360W @ 230V	14490W @ 230V
Power Limit per Outlet: 16A	16A	16A
Power Limit per PDU: 24A	32A	63A
Power Monitoring: No	No	No

DPI High Density PDU

-	-	-	-

DPI 100-127V NEMA PDU

39Y8905	DPI 100-127V NEMA PDU	attached line cord: 9ft NEMA L5-15P	single-phase 15A/100-127V 60Hz

Specifications

Version: Saudi Arabia (US LV)
Outlets: six NEMA 5-15R
Power Capacity: 1440W @ 120V
Power Limit per Outlet: 10A
Power Limit per PDU: 12A
Power Monitoring: No

Notes:

1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options.

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

• Overview	• US & Canada	• EMEA	• Asia Pacific	• Latin America	
DPI PDU		DPI Enterprise and Switched and Monitored PDU		IBM 7176 Ultra Density Enterprise PDU	IBM UPS
DPI Enterprise Power Distribution Units (EMEA)					
Order a PDU Module...			Plus a Line Cord		
Option part number	PDU model description	+	Option part number	Power cord description	Power source
DPI Enterprise PDU and PDU+					
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P +N+G (non-US) Line Cord	three-phase wye 32A/380-415V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9615	DPI C13 Enterprise PDU (US)	Single-phase 60A/208V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9617	DPI C13 Enterprise PDU (Aus/NZ)	Single-phase 32A/230V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9618	DPI C13 Enterprise PDU (S Korea)	Single-phase 30A/250V
	Specifications				
	Version:	32A/220-240V	63A/220-240V	3-phase	
	Outlets:	twelve IEC C13	twelve IEC C13	twelve IEC C13	
	Power Capacity:	7360W @ 230V	14490W @ 230V	22080W @ 230V	
	Power Limit per Outlet:	10A	10A	10A	
	Grouping:	-	-	four per phase	
	Power Limit per Group:	-	-	32A	
	Power Limit per PDU:	32A	63A	-	
	Power Monitoring:	No	No	No	
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P +N+G (non-US) Line Cord	three-phase wye 32A/380-415V
	Specifications				
	Version:	32A/220-240V	63A/220-240V	3-phase	
	Outlets:	six IEC C19	six IEC C19	six IEC C19	
	Power Capacity:	7360W @ 230V	14490W @ 230V	22080W @ 230V	
	Power Limit per Outlet:	16A	16A	16A	
	Grouping:	-	-	two per phase	
	Power Limit per Group:	-	-	32A	
	Power Limit per PDU:	32A	63A	-	
	Power Monitoring:	No	No	No	
39M2816	DPI C13 Enterprise PDU+Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39M2816	DPI C13 Enterprise PDU+Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39M2816	DPI C13 Enterprise PDU+Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P +N+G (non-US) Line Cord	three-phase wye 32A/380-415V
	Specifications				
	Version:	32A/220-240V	63A/220-240V	3-phase	

Outlets:	twelve IEC C13	twelve IEC C13	twelve IEC C13
Power Capacity:	7360W @ 230V	14490W @ 230V	22080W @ 230V
Power Limit per Outlet:	10A	10A	10A
Grouping:	-	-	four per phase
Power Limit per Group:	-	-	32A
Power Limit per PDU:	32A	63A	-
Power Monitoring:	Yes	Yes	Yes

Notes:

1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options.

Rack power configurator

Attention:

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Overview	US & Canada	EMEA	Asia Pacific	Latin America
DPI PDU	DPI Enterprise and Switched and Monitored PDU	IBM 7176 Ultra Density Enterprise PDU		IBM UPS

IBM 7176 Ultra Density Enterprise Power Distribution Units (EMEA)

Order a PDU Module...	Plus a Line Cord			
MTM	PDU Module Description	SEO / Option Part Number	Power Cord Description	Power Source

IBM Ultra Density Enterprise PDU and PDU+

7176 - PN1 IBM Ultra Density Enterprise C19/C13 PDU

71762NX	IBM Ultra Density Enterprise C19/C13 PDU Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
		+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
		+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V

Specifications:

Version:	32A/220-240V		63A/220-240V		3-phase	
Outlets:	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13
Power Capacity:	7360W @ 230V		14490W @ 230V		22080W @ 230V	
Power Limits -						
per outlet:	16A	10A	16A	10A	16A	10A
grouping:	pairing of one 10A with one 16A		pairing of one 10A with one 16A		each phase has two 16A + one 10A	
per group:	20A		20A		32A	
per PDU:	32A		63A		--	
Power Monitoring:	No		No		No	

7176 - PM1 IBM Ultra Density Enterprise C19/C13 PDU+

71762MX*	IBM Ultra Density Enterprise C19/C13 PDU+ Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
		+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
		+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V

Specifications:

Version:	32A/220-240V		63A/220-240V		3-phase	
Outlets:	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13
Power Capacity:	7360W @ 230V		14490W @ 230V		22080W @ 230V	
Power Limits -						
per outlet:	16A	10A	16A	10A	16A	10A
grouping:	pairing of one 10A with one 16A		pairing of one 10A with one 16A		each phase has two 16A + one 10A	
per group:	20A		20A		32A	
per PDU:	32A		63A		--	
Power Monitoring:	Yes		Yes		Yes	

Notes:

- This table describes some of the IBM power distribution unit products available for

- use with System x and BladeCenter servers.
- 2. For C19/C13 PDUs, each C19 outlet has a 20A circuit breaker. Each C13 shares one of the C19 circuit breakers.
- 3. The combined load on the C13 and associated C19 must not exceed 20A.
- 4. These PDUs carry their own Machine Type number.
- 5. When ordering Line Cords as separate options, use the Single Entity Offering (SEO) order part number.
- 6. For integrated rack-based solutions, Feature Codes are used to order the Line Cords as features of the PDUs.
- 7. See the table DPI Power Distribution Units for more options.



Rack power configurator

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- Overview
- US & Canada
- EMEA
- Asia Pacific
- Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU IBM 7176 Ultra Density Enterprise PDU **IBM UPS**

IBM Uninterruptable Power Supplies (EMEA)

Order a UPS Product...		Plus a Line Cord		
Option part number	Description	Option part number	Description	Power source
IBM Tower UPS (2130-TU1)				
2130R4X	IBM UPS1000THV	select from the list of line cords below:		
2130R6X	IBM UPS1500THV			
		Line Cords:		
		39Y7917*	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord	single-phase 10A/230V
		39Y7918*	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord	single-phase 10A/230V
		39Y7920*	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord	single-phase 10A/230V
		39Y7921*	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord	single-phase 10A/230V
		39Y7922*	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord	single-phase 10A/230V
		39Y7919*	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord	single-phase 10A/230V
		39Y7923*	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord	single-phase 10A/230V
Specifications				
		Version:	750VA	1000VA
		Outlets:	six IEC C13	eight IEC C13
		Power Capacity:	500W	670W
		Power Limit per Outlet:	10A	10A
		Power Limit per UPS:	3.4	4.5
		Power Monitoring:	Yes	Yes
		Battery Expansion:	No	No

IBM Rack UPS (2130-RU1)

21301RX*	IBM UPS3000LV	attached line cord: 12ft NEMA L5-30P		
40K9620*	IBM UPS Extend Run Battery Pack (2U)			
	Specifications			
	Outlets:		six NEMA 5-15R	one NEMA L5-30R
	Power Capacity:		2700W @ 120V	
	Power Limit per Outlet:		10A	10A
	Grouping:		two 5-15R	two 5-15R + L5-30R
	Power Limit per Group:		20A	20A
	Power Limit per UPS:		24A	
	Power Monitoring:		Yes	
	Battery Expansion:		Yes, four 2U units max (P/N 40K9620)	
	21303RX	IBM UPS7500XHV	requires electrician to connect to source power circuit (with 50A circuit breaker (typical))	
39Y8857	IBM UPS Extend Run Battery Pack (3U)			
	Specifications			
	Version:		single phase	3-phase
	Outlets:		four IEC C19 (using Rack PDUs: 28 IEC C13)	

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	Power Capacity:		6000W @ 200V	6000W @ 200V
	Power Limit per Outlet:		15A	15A
	Power Limit per UPS:		38A	38A
	Power Monitoring:		Yes	Yes
	Battery Expansion:		Yes, four 3U units max (P/N 39Y8857)	

21304RX	IBM UPS10000XHV	requires electrician to connect to source power circuit (with 63A circuit breaker (typical))
39Y8857	IBM UPS Extend Run Battery Pack (3U)	

Specifications				
		Version:	single phase	3-phase
		Outlets:	four IEC C19 (using Rack PDUs: 28 IEC C13)	
		Power Capacity:	8000W @ 200V	8000W @ 200V
		Power Limit per Outlet:	15A	15A
		Power Limit per UPS:	50A	50A
		Power Monitoring:	Yes	Yes
		Battery Expansion:	Yes, four 3U units max (P/N 39Y8857)	

IBM Rack UPS (5395-RU1)

53951KX*	IBM 1500VA LCD 2U Rack UPS (230V)	select from the list of Line Cords below:	
		Line Cords:	
		23R7145	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
Specifications			
Version: International Single-phase (220-240V) source			
Outlets: four IEC C13			
Power Capacity: 1000W @ 220-240V			
Power Limit per Outlet: 10A			
Power Limit per UPS: 4.5A			
Power Monitoring: Yes			
Battery Expansion: No			

IBM Rack UPS (5395-RU2)

53952KX	IBM 2200VA LCD 2U Rack UPS (230V)	select from the list of Line Cords below:		
		Line Cords:		
		23R7145	2.8m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord	
46M41081	IBM 2200VA UPS 2U Extended Battery Module			
	Specifications			
	Version:		International Single-phase (220-240V) source	
	Outlets:		eight IEC C13	two IEC C19
	Power Capacity:		1920W @ 220-240V	
	Power Limit per Outlet:		10A	16A
	Power Limit per UPS:		8.73A	
	Power Monitoring:		Yes	
	Battery Expansion:		Yes, one 2U units max (P/N 46M4108)	

IBM Rack UPS (5395-RU3)

53953KX	IBM 3000VA LCD 3U Rack UPS (230V)	select from the list of Line Cords below:		
		Line Cords:		
		40K9614	4.3m, 160A/208V, C19 to NEMA L6-20P (US) Line Cord	
69Y1982	IBM 3000VA UPS 3U Extended Battery Module			
	Specifications			
		Version:	International Single-phase (220-240V) source	
		Outlets:	eight IEC C13	two IEC C19
		Power Capacity:	2700W @ 220-240V	

Power Limit per Outlet:	10A	16A
Power Limit per UPS:	12.3A	
Power Monitoring:	Yes	
Battery Expansion:	Yes, one 3U units max (P/N 69Y1982)	

IBM Rack UPS (5395-RU4)

53956KX*	IBM 6000VA LCD 4U Rack UPS (230V)	-
69Y1984*3	IBM 6000VA UPS 3U Extended Battery Module	

Specifications		
Version:	International Single-phase (230V) source	
Outlets:	six IEC C13	four IEC C19
Power Capacity:	5600	
Power Limit per Outlet:	10A	16A
Power Limit per UPS:	24.3A	
Power Monitoring:	Yes	
Battery Expansion:	Yes, one 3U units max (P/N 69Y1984)	

IBM Rack UPS (5395-RU5)

53959KX	IBM 11000VA LCD 5U Rack UPS (200/208/230V)	-
69Y19864	IBM 11000VA UPS 3U Extended Battery Module	

Specifications		
Version:	Japan/US Single-phase HV source (200V/208V)	International Single-phase (230V) source
Outlets:	eighth IEC C19	eight IEC C19
Power Capacity:	10000W	
Power Limit per Outlet:	16A	16A
Power Limit per UPS:	50A/48.1A	43.5A
Power Monitoring:	Yes	Yes
Battery Expansion:	Yes, one 3U units max (P/N 69Y1986)	

* Lenovo has withdrawn this product from marketing.

Notes:

1. This table describes the IBM System x family of Uninterruptible Power Supply (UPS) products. Feature Codes are used with the eConfig Product and Solution Configurator.

Rack power configurator

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Overview	US & Canada	EMEA	Asia Pacific	Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU IBM 7176 Ultra Density Enterprise PDU

The following PDU products have line cords included:

DPI Power Distribution Units (Asia Pacific)

Option part number	Description	Power cord description	Power source
39Y8905	DPI 100-127V NEMA PDU	9 ft hardwired line cord with NEMA L5-15P plug	single-phase 15A/100-127V

DPI 100-127V NEMA PDU

39Y8905	DPI 100-127V NEMA PDU	attached line cord: 9ft NEMA L5-15P	single-phase 15A/100-127V 60Hz

Specifications

Version:	Taiwan (US LV)
Outlets:	six NEMA 5-15R
Power Capacity:	1440W @ 120V
Power Limit per Outlet:	10A
Power Limit per PDU:	12A circuit breaker
Power Monitoring:	No

DPI Universal Rack PDU

any of the following:	DPI Universal Rack PDU module without line cord	rack power cable: 2m C19/C20	another PDU or UPS (100-250V)
39Y8958	DPI Universal Rack PDU (Aus/NZ)	line cord: 4.3m AS/NZ 3112	single-phase 15A/230V
39Y8959	DPI Universal Rack PDU (China)	line cord: 4.3m GB 2099.1	single-phase 16A/220V
39Y8961	DPI Universal Rack PDU (India)	line cord: 4.3m IS6538	single-phase 16A/240V
39Y8952	DPI Universal Rack PDU (Europe)	line cord: 4.3m CEE7-VII	single-phase 16A/230V
39Y8953	DPI Universal Rack PDU (Den/Sws)	line cord: 4.3m IEC 309 P+N+G	single-phase 16A/230V
39Y8956	DPI Universal Rack PDU (South Africa)	line cord: 4.3m SABS 164	single-phase 16A/230V
39Y8957	DPI Universal Rack PDU (UK)	line cord: 4.3m BS 1363/A	single-phase 13A/230V
39Y8951	DPI Universal Rack PDU (US)	line cord: 4.3m NEMA L5-20P	single-phase 20A/120V 60Hz
		line cord: 4.3m NEMA L6-20P	single-phase 20A/208V 60Hz
39Y8962	DPI Universal Rack PDU (Argentina)	line cord: 4.3m IRAM 2037	single-phase 16A/220V
39Y8960	DPI Universal Rack PDU (Brazil)	line cord: 4.3m NBR 6147	single-phase 15A/125V

Specifications

Version:	to PDU or UPS	Aus/NZ	China	Hong Kong (UK)	Taiwan (US LV)
Outlets:	seven IEC C13	seven IEC C13	seven IEC C13	seven IEC C13	seven IEC C13

Power Capacity:	3000W @ 200V	3450W @ 230V	3300W @ 220V	2990W @ 230V	1800W @ 120V
Power Limit per Outlet:	10A	10A	10A	10A	10A
Power Limit per PDU:	15A circuit breaker	15A circuit breaker	15A circuit breaker	13A	15A circuit breaker
Power Monitoring:	No	No	No	No	No
DPI Front-end PDU					
39Y8937	DPI Single-phase 32A/230V Front-end PDU (Aus/NZ)		line cord: 2.5m AS/NZS 3112		single-phase 32A/230V
39Y8936	DPI Single-phase 30A/220V Fron-tend PDU (S Korea)		line cord: 2.5m KSC 8305		single-phase 30A/220V
39Y8934	DPI Single-phase 32A/230V Front-end PDU (non US)		line cord: 2.5m IEC 309 P+N+G		single-phase 32A/220-240V
39Y8935	DPI Single-phase 63A/230V Front-end PDU (non US)		line cord: 2.5m IEC 309 P+N+G		single-phase 63A/220-240V
39Y8939	DPI Single-phase 30A/120V Front-end PDU (US)		line cord: 2.5m NEMA L6-30P		single-phase 30A/208V
39Y8940	DPI Single-phase 60A/208V Front-end PDU (US)		line cord: 2.5m IEC 309 2P+G		single-phase 60A/208V
39Y8938	DPI Single-phase 30A/120V Front-end PDU (US)		line cord: 2.5m NEMA L5-30P		single-phase 30A/120V
39Y8939	DPI 30amp Front End PDU w/ Nema L6-30P		line cord: 2.5m NEMA L6-30P		single-phase 30A/208V
39Y8940	DPI 60amp Front End PDU w/ IEC 309 2P + N + G		line cord: 2.5m IEC 309 2P+G		single-phase 60A/208V
Specifications					
Version:	Aus/NZ	S Korea	32A/220-240V	63A/220-240V	30A/120V
Outlets:	three IEC C19	three IEC C19	three IEC C19	three IEC C19	three IEC C19
Power Capacity:	2880W @ 230V	7360W @ 220V	14490W @ 230V	7360W @ 230V	2880W @ 120V
Power Limit per Outlet:	16A	16A	16A	16A	16A
Power Limit per PDU:	32A	30A	63A	32A	24A
Power Monitoring:	No	No	No	No	No
DPI High Density PDU					
-	-		-		-

Notes:

1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options.

Rack power configurator

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• Overview	• US & Canada	• EMEA	• Asia Pacific	• Latin America	
DPI PDU		DPI Enterprise and Switched and Monitored PDU		IBM 7176 Ultra Density Enterprise PDU	
DPI Enterprise Power Distribution Units (Asia Pacific)					
Order a PDU Module...		Plus a Line Cord			
Option part number	PDU model description	+	Option part number	Power cord description	Power source
DPI Enterprise PDU and PDU+ (also see the DPI Enterprise PDU and PDU+ table for the US)					
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9617	4.3m, 32A/230V, AS/NZS 3112 (Aus/NZ) Line Cord	single-phase 32A/230V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9618	4.3m, 30A/220V, KSC 8305 (S. Korea) Line Cord	single-phase 30A/220V
	Specifications				
	Version: 32A/220-240V		63A/220-240V	3-phase	
	Outlets: twelve IEC C13		twelve IEC C13	twelve IEC C13	
	Power Capacity: 7360W @ 230V		14490W @ 230V	22080W @ 230V	
	Power Limit per Outlet: 10A		10A	10A	
	Grouping: -		-	four per phase	
	Power Limit per Group: -		-	32A	
	Power Limit per PDU: 32A		63A	-	
Power Monitoring: No		No	No		
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9617	4.3m, 32A/230V, AS/NZS 3112 (Aus/NZ) Line Cord	single-phase 32A/230V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9618	4.3m, 30A/220V, KSC 8305 (S. Korea) Line Cord	single-phase 30A/220V
	Specifications				
	Version: 32A/220- 240V		63A/220-240V	3-phase	
	Outlets: six IEC C19		six IEC C19	six IEC C19	
	Power Capacity: 7360W @ 230V		14490W @ 230V	22080W @ 230V	
	Power Limit per Outlet: 16A		16A	16A	
	Grouping: -		-	two per phase	
	Power Limit per Group: -		-	32A	
	Power Limit per PDU: 32A		63A	-	
Power Monitoring: No		No	No		
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V

39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P +N+G (non-US) Line Cord	three-phase wye 32A/380-415V
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9617	4.3m, 32A/230V, AS/NZS 3112 (Aus/NZ) Line Cord	single-phase 32A/230V
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9618	4.3m, 30A/220V, KSC 8305 (S. Korea) Line Cord	single-phase 30A/220V
Specifications					
Version:		32A/220- 240V	63A/220-240V	3-phase	
Outlets:		twelve IEC C13	twelve IEC C13	twelve IEC C13	
Power Capacity:		7360W @ 230V	14490W @ 230V	22080W @ 230V	
Power Limit per Outlet:		10A	10A	10A	
Grouping:		-	-	four per phase	
Power Limit per Group:		-	-	32A	
Power Limit per PDU:		32A	63A	-	
Power Monitoring:		Yes	Yes	Yes	

- Notes:**
- 1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options.
 - 2. Also see the US/Canada section.

Rack power configurator

Attention:

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Overview	US & Canada	EMEA	Asia Pacific	Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU **IBM 7176 Ultra Density Enterprise PDU**

IBM 7176 Ultra Density Enterprise Power Distribution Units (Asia Pacific)

Order a PDU Module ...	Plus a Line Cord			
MTM	PDU Module Description	SEO / Option Part Number	Power Cord Description	Power Source

IBM Ultra Density Enterprise PDU and PDU+

7176 - PN1 IBM Ultra Density Enterprise C19/C13 PDU

71762NX	IBM Ultra Density Enterprise C19/C13 PDU Module (WW)	+	40K9617	4.3m, 32A/230V, AS/NZS 3112 (Aus/NZ) Line Cord	single-phase 32A/230V
		+	40K9618	4.3m, 30A/220V, KSC 8305 (S. Korea) Line Cord	single-phase 30A/220V

Specifications:					
Version:	32A/230V		30A/220V		
Outlets:	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13	
Power Capacity:	7360W @ 230V		6600W @ 220V		
Power Limits -					
	per outlet:	16A	10A	16A	10A
	grouping:	pairing of one 10A with one 16A		pairing of one 10A with one 16A	
	per group:	20A		20A	
	per PDU:	32A		30A	
	Power Monitoring:	No		No	

7176 - PM1 IBM Ultra Density Enterprise C19/C13 PDU+

71762MX*	IBM Ultra Density Enterprise C19/C13 PDU+ Module (WW)	+	40K9617	4.3m, 32A/230V, AS/NZS 3112 (Aus/NZ) Line Cord	single-phase 32A/230V
		+	40K9618	4.3m, 30A/220V, KSC 8305 (S. Korea) Line Cord	single-phase 30A/220V

Specifications:				
Version:	32A/230V		30A/220V	
Outlets:	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13
Power Capacity:	7360W @ 230V		6600W @ 220V	
Power Limits -				
per outlet:	16A	10A	16A	10A
grouping:	pairing of one 10A with one 16A		pairing of one 10A with one 16A	
per group:	20A		20A	
per PDU:	32A		30A	
Power Monitoring:	Yes		Yes	

Notes:

- This table describes some of the IBM power distribution unit products available for use with System x and BladeCenter servers.
- For C19/C13 PDUs, each C19 outlet has a 20A circuit breaker. Each C13 shares one of the C19 circuit breakers.
- The combined load on the C13 and associated C19 must not exceed 20A.
- These PDUs carry their own Machine Type number.
- When ordering Line Cords as separate options, use the Single Entity Offering (SEO) order part number.
- For integrated rack-based solutions, Feature Codes are used to order the Line Cords as features of the PDUs.
- See the table DPI Power Distribution Units for more options.

8. Also see the US/Canada and the EMEA sections.

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Overview	US & Canada	EMEA	Asia Pacific	Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU IBM 7176 Ultra Density Enterprise PDU

The following PDU products have line cords included:

DPI Power Distribution Units (Latin America)

Option part number	Description	Power cord description	Power source
DPI 100-127V NEMA PDU			
39Y8905	DPI 100-127V NEMA PDU	attached line cord: 9ft NEMA L5-15P	single-phase 15A/100-127V 60Hz
Specifications			
Outlets: six NEMA 5-15R			
Power Capacity: 1440W @ 120V			
Power Limit per Outlet: 10A			
Power Limit per PDU: 12A circuit breaker			
Power Monitoring: No			
DPI Universal Rack PDU			
any of the following:	DPI Universal Rack PDU module without line cord	rack power cable: 2m C19/C20	another PDU or UPS (100-250V)
39Y8962	DPI Universal Rack PDU (Argentina)	line cord: 4.3m IRAM 2073	single-phase 16A/220V
39Y8960	DPI Universal Rack PDU (Brazil)	line cord: 4.3m NBR 14136	single-phase 15A/125V
39Y8955	DPI Universal Rack PDU (Italy)	line cord: 4.3m CEI 23-16	single-phase 16A/230V
39Y8951	DPI Universal Rack PDU (US)	line cord: 4.3m NEMA L5-20P	single-phase 20A/120V 60Hz
		line cord: 4.3m NEMA L6-20P	single-phase 20A/208V 60Hz
39Y8958	DPI Universal Rack PDU (Australia/New Zealand)	line cord: 4.3m AS/NZS 3112	single-phase 15A/230V
39Y8959	DPI Universal Rack PDU (China)	line cord: 4.3m GB 2099.1	single-phase 16A/220V
39Y8961	DPI Universal Rack PDU (India)	line cord: 4.3m IS 6538	single-phase 16A/240V
00D7593	DPI Universal Rack PDU (Japan LV)	line cord: 4.3m JIS C-8303	single-phase 15A/100V
00D7594	DPI Universal Rack PDU (Japan HV)	line cord: 4.3m JIS C-8303	single-phase 15A/200V
00D7595	DPI Universal Rack PDU (S Korea)	line cord: 4.3m KSC 8305	single-phase 15A/250V
00D7596	DPI Universal Rack PDU (Taiwan LV)	line cord: 4.3m CNS 10917-3	single-phase 16A/125V
00D7597	DPI Universal Rack PDU (Taiwan HV)	line cord: 4.3m CNS 10917-3	single-phase 16A/250V

Specifications				
Version:	to PDU or UPS	Argentina	Brazil	(NEMA LV) (NEMA HV)
Outlets:	seven IEC C13	seven IEC C13	seven IEC C13	seven IEC C13
Power Capacity:	3000W @ 200V	3300W @ 220V	1875W @ 125V	1800W @ 120V 3120W @ 208V
Power Limit per Outlet:	10A	10A	10A	10A
Power Limit per PDU:	15A circuit breaker	15A circuit breaker	15A circuit breaker	13A 15A circuit breaker
Power Monitoring:	No	No	No	No

DPI Front-end PDU					
39Y8938	DPI Single-phase 30A/120V Front-end PDU (US)		line cord: 2.5m NEMA L5-30P	single-phase 30A/120V	
39Y8939	DPI Single-phase 30A/208V Front-end PDU (US)		line cord: 2.5m NEMA L6-30P	single-phase 30A/208V	
39Y8940	DPI Single-phase 60A/208V Front-end PDU (US)		line cord: 2.5m IEC 309 2P+G	single-phase 60A/208V	
39Y8934	DPI Single-phase 32A/230V Front-end PDU (non US)		line cord: 2.5m IEC 309 P+N+G	single-phase 32A/220-240V	
39Y8937	DPI Single-phase 32A/230V Front-end PDU (Aus/NZ)		line cord: 2.5m AS/NZS 3112	single-phase 32A/230V	
39Y8936	DPI Single-phase 30A/220V Front-end PDU (S Korea)		line cord: 2.5m KSC 8305	single-phase 30A/220V	
Specifications					
Version:	30A/120V	30A/208V	60A/208V	32A/220-240V	63A/220-240V
Outlets:	three IEC C19	three IEC C19	three IEC C19	three IEC C19	three IEC C19
Power Capacity:	2880W @ 120V	4992W @ 208V	9984W @ 208V	7360W @ 230V	14490W @ 230V
Power Limit per Outlet:	16A	16A	16A	16A	16A
Power Limit per PDU:	24A	24A	48A	32A	63A
Power Monitoring:	No	No	No	No	No
DPI High Density PDU					
-	-	-	-	-	-

Notes:

1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options.

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Overview	US & Canada	EMEA	Asia Pacific	Latin America

DPI PDU **DPI Enterprise and Switched and Monitored PDU** IBM 7176 Ultra Density Enterprise PDU

DPI Enterprise Power Distribution Units (Latin America)

Order a PDU Module...

Plus a Line Cord

Option part number	PDU model description	+	Option part number	Power cord description	Power source
DPI Enterprise PDU and PDU+ (also see the DPI Enterprise PDU and PDU+ table for the US)					
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V
39Y8941	DPI C13 Enterprise Module (WW)	+	40K9618	DPI C13 Enterprise PDU (S Korea)	Single-phase 30A/250V
	Specifications				
	Version: 32A/220-240V		63A/220-240V	3-phase	
	Outlets: twelve IEC C13		twelve IEC C13	twelve IEC C13	
	Power Capacity: 7360W @ 230V		14490W @ 230V	22080W @ 230V	
	Power Limit per Outlet: 10A		10A	10A	
	Grouping: -		-	four per phase	
	Power Limit per Group: -		-	32A	
	Power Limit per PDU: 32A		63A	-	
Power Monitoring: No		No	No		
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39Y8948	DPI C19 Enterprise Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V
	Specifications				
	Version: 32A/220- 240V		63A/220-240V	3-phase	
	Outlets: six IEC C19		six IEC C19	six IEC C19	
	Power Capacity: 7360W @ 230V		14490W @ 230V	22080W @ 230V	
	Power Limit per Outlet: 16A		16A	16A	
	Grouping: -		-	two per phase	
	Power Limit per Group: -		-	32A	
	Power Limit per PDU: 32A		63A	-	
Power Monitoring: No		No	No		
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
39M2816	DPI C13 Enterprise PDU +Module (WW)	+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V
Specifications					

Version:	32A/220- 240V	63A/220-240V	3-phase
Outlets:	twelve IEC C13	twelve IEC C13	twelve IEC C13
Power Capacity:	7360W @ 230V	14490W @ 230V	22080W @ 230V
Power Limit per Outlet:	10A	10A	10A
Grouping:	-	-	four per phase
Power Limit per Group:	-	-	32A
Power Limit per PDU:	32A	63A	-
Power Monitoring:	Yes	Yes	Yes

Notes:

1. This table describes some of the IBM Distributed Power Interconnect products, a family of power distribution units (PDUs). See the table DPI Enterprise Power Distribution Units for more options.
2. Also see the US/Canada section.

Rack power configurator

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Overview	US & Canada	EMEA	Asia Pacific	Latin America

DPI PDU DPI Enterprise and Switched and Monitored PDU **IBM 7176 Ultra Density Enterprise PDU**

IBM 7176 Ultra Density Enterprise Power Distribution Units (Latin America)

Order a PDU Module ...	Plus a Line Cord			
MTM	PDU Module Description	SEO / Option Part Number	Power Cord Description	Power Source

IBM Ultra Density Enterprise PDU and PDU+

7176 - PN1 IBM Ultra Density Enterprise C19/C13 PDU

71762NX	IBM Ultra Density Enterprise C19/C13 PDU Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
		+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
		+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V

Specifications:

Version:	32A/220-240V		63A/220-240V		3-phase	
Outlets:	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13
Power Capacity:	7360W @ 230V		14490W @ 230V		22080W @ 230V	
Power Limits -						
per outlet:	16A	10A	16A	10A	16A	10A
grouping:	pairing of one 10A with one 16A		pairing of one 10A with one 16A		each phase has two 16A + one 10A	
per group:	20A		20A		32A	
per PDU:	32A		63A		--	
Power Monitoring:	No		No		No	

7176 - PM1 IBM IBM Ultra Density Enterprise C19/C13 PDU+

71762MX*	IBM Ultra Density Enterprise C19/C13 PDU + Module (WW)	+	40K9612	4.3m, 32A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 32A/220-240V
		+	40K9613	4.3m, 63A/230V, IEC 309 P+N+G (non-US) Line Cord	single-phase 63A/220-240V
		+	40K9611	4.3m, 32A/380-415V, IEC 309 3P+N+G (non-US) Line Cord	three-phase wye 32A/380-415V

Specifications:

Version:	32A/220-240V		63A/220-240V		3-phase	
Outlets:	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13	nine IEC C19	three IEC C13
Power Capacity:	7360W @ 230V		14490W @ 230V		22080W @ 230V	
Power Limits -						
per outlet:	16A	10A	16A	10A	16A	10A
grouping:	pairing of one 10A with one 16A		pairing of one 10A with one 16A		each phase has two 16A + one 10A	
per group:	20A		20A		32A	
per PDU:	32A		63A		--	
Power Monitoring:	Yes		Yes		Yes	

Notes:

- This table describes some of the IBM power distribution unit products available for use with System x and BladeCenter servers.

2. For C19/C13 PDUs, each C19 outlet has a 20A circuit breaker. Each C13 shares one of the C19 circuit breakers.
3. The combined load on the C13 and associated C19 must not exceed 20A.
4. These PDUs carry their own Machine Type number.
5. When ordering Line Cords as separate options, use the Single Entity Offering (SEO) order part number.
6. For integrated rack-based solutions, Feature Codes are used to order the Line Cords as features of the PDUs.
7. See the table DPI Power Distribution Units for more options.
8. Also see the US/Canada section.

Appendix A. Uninterruptible power supplies

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

UPS runtime estimator

Steps to determine UPS runtimes and suitable UPS for desired configurations:

1. Using the 'Power Product Data' table in the 'Power Data Overview Appendix', sum the power load (watts) of all devices in the configuration. Use either Maximum Load for minimum runtimes, or Typical Load for typical runtimes.
2. Using the 'Runtimes' table, locate the configuration's total load calculated in step 1.
3. Select the most appropriate UPS model to achieve the desired runtime.

Note: If the configuration's total load is greater than the entries in the 'Runtimes' table, split the load across two or more UPS units.

IBM UPS 1000T, 1500T

Table 1. IBM UPS 1000T, 1500T attributes

	Tower	
	Low Voltage Versions (US)	Low Voltage Versions (Int'l)
	UPS1000TLV	UPS1500TLV
New T-M-F Ordering System ⁴	2130TU1-1083	2130TU1-1085
Part Number	2130R3X	2130R5X
(Old Part Number)	(21303TX*)	(21305TX*)
	UPS1000THV	UPS1500THV
Part Number	2130R4X	2130R6X
(Old Part Number)	(21304TX)	(21306TX)
	UPS1000TJV	UPS1500TJV
Part Number	2130R8X	2130R9X
(Old Part Number)	(21308TX)	(21309TX)
UPS attributes		
Communications links to servers	Serial/USB/Enet	Serial/USB/Enet
Color	black	black
APC SmartSlot	one	one
International models		
50 or 60Hz, single phase,VAC:	220-240(xxx) ^{1,2}	220-240(xxx) ^{1,2}
10-Amp, IEC 320-C13 (Device)receptacles	8	8
16-Amp, IEC 320-C19 (PDU)receptacles	-	-
Receptacles (NEMA L5-20R)	-	-
Line cord length, NEMA plug	-	-
Line cord receptacle (IEC 320-)	C14 ₃	C14 ₃
Low Voltage Versions (US models and Japan models)		
50 or 60Hz, single phase, VAC:	100-127(120) ¹	100-127(120) ¹
Receptacles (NEMA 5-15R)	8	8
Receptacles (NEMA L5-20R)	-	-
10-Amp, IEC 320-C13 (Device)receptacles	-	-
16-Amp, IEC 320-C19 (PDU)receptacles	-	-
Line cord length, NEMA plug	6ft, 5-15P	6ft, 5-15P
Line cord receptacle (IEC 320-)	-	-

Notes:

1. How-to-Read example for 200-240(208): Input VAC is 200-240 as is the UPS output when electric service is active. When electric service is interrupted and the UPS is on battery, the UPS output is 208 VAC.
2. Battery output may be set to 220, 225, 230 or 240 VAC.
3. Country-specific line cords available as options.
4. Type-Model-Feature ordering system now used in the US and Canada.

Table 2. IBM UPS 1000T, 1500T Runtimes¹

	Tower	
	UPS1000T	UPS1500T
Total load (watts)	Runtime (minutes)	Runtime (minutes)
50	224	269
100	127	157
200	64	80
300	41	51
400	29	37
500	23	28
600	18	22
700	15	18
800	12	15
900	11	13
1000	9	11
1200	-	9
1400	-	7

Notes:
1. Data provided by APC.

Table 3. Country-specific line cords usable with UPS1000THV, and UPS1500THV

Option number	Description
39Y7930*	2.8m, 10A/220V, C13 to IRAM 2073 (Argentina) Line Cord
39Y7929*	2.8m, 10A/125V, C13 to NBR 6147 (Brazil) Line Cord
39Y7917*	2.8m, 10A/230V, C13 to CEE7-VII (Europe) Line Cord
39Y7918*	2.8m, 10A/230V, C13 to DK2-5a (Denmark) Line Cord
39Y7920*	2.8m, 10A/230V, C13 to SI 32 (Israel) Line Cord
39Y7921*	2.8m, 10A/230V, C13 to CEI 23-16 (Italy) Line Cord
39Y7922*	2.8m, 10A/230V, C13 to SABS 164 (South Africa) Line Cord
39Y7919*	2.8m, 10A/230V, C13 to SEV 1011-S24507 (Sws) Line Cord
39Y7923*	2.8m, 10A/230V, C13 to BS 1363/A (UK) Line Cord
39Y7924*	2.8m, 10A/230V, C13 to AS/NZS 3112 (Aus/NZ) Line Cord
39Y7927*	2.8m, 10A/240V, C13 to IS6538 (India) Line Cord
39Y7928*	2.8m, 10A/220V, C13 to GB 2099.1 (China) Line Cord
39Y7925*	2.8m, 10A/220V, C13 to KSC 8305 (S. Korea) Line Cord

IBM UPS3000LV* and HV*

Table 4. IBM UPS3000LV* and HV* Attributes

	Tower or rack mount			
	Version	UPS3000LV*	UPS3000HV*	UPS extend run battery pack
	New T-M-F Ordering System ¹	2130RU1-1077	2130RU1-1078	FC 5742
	Part Number	21301RX*	21302RX*	40K9620*
UPS attributes				
Communications links to servers	Serial/USB/Enet	Serial/USB/Enet	-	
Color	black	black	black	
EIA height	2U	2U	2U	
Versions	Low Voltage	High Voltage		
50 or 60Hz, single phase,VAC:	120(120) ¹	220-240(xxx) ^{1, 2}	-	
Maximum power capacity (watts)	2700	2700	-	
10-Amp, IEC 320-C13 (Device) receptacles	-	94	-	
16-Amp, IEC 320-C19 (PDU)receptacles	-	13	-	
Receptacles (NEMA 5-15R)	6	-	-	
Receptacles (NEMA L5-30R)	1	-	-	
Attached line cord length, NEMA plug type	12ft, L5-30P	-	-	
Line cord receptacle(IEC 320-)	-	C20s	-	

Notes:
1. How-to-Read example for 200-240(208): Input VAC is 200-240 as is the UPS

- output when electric service is active. When electric service is interrupted and the UPS is on battery, the UPS output is 208 VAC.
2. Battery output may be set to 220, 225, 230 or 240 VAC.
3. One 2.5m PDU jumper cable ships with the UPS for attachment from the IEC 320-C19 receptacle to a Power Distribution Unit (PDU) with C20 inlet.
4. Four IEC power cables are provided to attach devices to the UPS outlets, which are 2m long with IEC 320-C13/C14 connectors.
5. Country-specific line cords are available as options.
6. Type-Model-Feature ordering system now used in the US and Canada.

Table 5. IBM UPS3000LV* Runtimes¹

Number of battery packs (P/N 40K9620)					
	+0	+1	+2	+3	+4
Total Load (Watts)	Runtime (hours / minutes)	Runtime (hours / minutes)	Runtime (hours / minutes)	Runtime (hours / minutes)	Runtime (hours / minutes)
200	1/3	5/16	7/57	11/15	14/34
300	55	4/35	7/0	9/55	12/50
400	48	4/1	6/6	8/39	11/12
500	42	3/31	5/19	7/31	9/44
600	36	3/3	4/31	6/24	8/17
700	31	2/35	3/50	5/26	7/2
800	26	2/12	3/20	4/43	6/6
900	23	1/55	2/51	4/2	5/14
1000	19	1/38	2/23	3/23	4/23
1100	16	1/22	2/4	2/56	3/48
1200	14	1/11	1/48	2/33	3/19
1300	12	1/2	1/35	2/14	2/54
1400	10	54	1/20	1/54	2/28
1500	9	46	1/11	1/41	2/10
1600	8	41	1/8	1/37	2/5
1700	8	40	1/8	1/37	2/5
1800	8	40	1/8	1/37	2/5
1900	7	39	1/0	1/25	1/50
2000	7	35	1/0	1/25	1/50
2100	7	35	1/0	1/25	1/50

Notes:

1. Data provided by Eaton.

Table 6. IBM UPS3000HV* Runtimes¹

Number of battery packs (P/N 40K9620)					
	+0	+1	+2	+3	+4
Total Load (Watts)	Runtime (hours / minutes)	Runtime (hours / minutes)	Runtime (hours / minutes)	Runtime (hours / minutes)	Runtime (hours / minutes)
200	1/3	4/38	9/5	12/48	16/42
300	55	4/5	8/0	11/16	14/42
400	48	3/33	6/59	9/59	12/50
500	42	3/6	6/4	8/33	11/10
600	36	2/38	5/10	7/17	9/30
700	31	2/14	4/23	6/11	8/4
800	26	1/56	3/48	5/22	7/0
900	23	1/40	3/16	4/36	6/0
1000	19	1/23	2/44	3/51	5/2
1100	16	1/12	2/22	3/20	4/22
1200	14	1/3	2/4	2/54	3/48
1300	12	55	1/48	2/33	3/20
1400	10	47	1/32	2/10	2/50
1500	9	45	1/28	2/4	2/42
1600	9	41	1/20	1/53	2/28
1700	8	40	1/18	1/50	2/24
1800	8	40	1/18	1/50	2/24
1900	7	35	1/8	1/36	2/6
2000	7	35	1/8	1/36	2/6
2100	7	33	1/5	1/32	2/0
2200	6	30	58	1/22	1/48

2300	6	30	58	1/22	1/48
2400	6	30	58	1/22	1/48
2500	6	26	51	1/12	1/34
2600	5	25	49	1/9	1/30
2700	5	25	49	1/9	1/30

Notes:
1. Data provided by Eaton.

Table 7. Country-specific line cords usable with UPS3000HV*

Option number	Description
40K9772	4.3m, 16A/208V, C19 to NEMA L6-20P (US) Line Cord
40K9777	4.3m, 16A/220V, C19 to IRAM 2073 (Argentina) Line Cord
40K9775*	4.3m, 15A/125V, C19 to NBR 6147 (Brazil) Line Cord
40K9766	4.3m, 16A/230V, C19 to CEE7-VII (Europe) Line Cord
40K9769	4.3m, 16A/230V, C19 to IEC 309-P+N+G (Den/Sws) Line Cord
40K9771	4.3m, 16A/230V, C19 to SI 32 (Israel) Line Cord
40K9768	4.3m, 16A/230V, C19 to CEI 23-16 (Italy) Line Cord
40K9770	4.3m, 16A/230V, C19 to SABS 164 (South Africa) Line Cord
40K9767	4.3m, 13A/230V, C19 to BS 1363/A w/13A fuse (UK) Line Cord
40K9773	4.3m, 15A/230V, C19 to AS/NZS 3112 (Aus/NZ) Line Cord
40K9774	4.3m, 16A/220V, C19 to GB 2099.1 (China) Line Cord
40K9776	4.3m, 16A/240V, C19 to IS 6538 (India) Line Cord

UPS 7500XHV, 10000XHV

Table 8. IBM UPS7500XHV, 10000XHV attributes

		Tower or rack mount		
	Version	UPS7500XHV	UPS10000XHV	UPS extend run battery pack
	New T-M-F Ordering Systems	2130RU1-1079	2130RU1-1080	FC 5743
	Part number	21303RX	21304RX	39Y8857
	(Old part number)	(21306RX)	(21308RX)	(25R5582)
UPS attributes				
Communication links to servers		Serial/USB/Enet	Serial/USB/Enet	-
Color		black	black	black
EIA height		6U	6U	3U
Versions				
50 or 60Hz, single phase, VAC:		220-240(xxx)1, 2	220-240(xxx)1, 2	-
Maximum power capacity (watts)		6000	8000	-
10 Amp, IEC 320-C13 receptacles		-	-	-
16 Amp, IEC 320-C19 receptacles		43, 4	43, 4	-
Line cord receptacle		terminal blocks	terminal blocks	-

Notes:
1. How-to-Read example for 200-240(208): Input VAC is 200-240 as is the UPS output when electric service is active. When electric service is interrupted and the UPS is on battery, the UPS output is 208 VAC.
2. Battery output may be set to 208, 220, 225, 230 or 240 VAC.
3. Four IEC power cables are provided to attach devices or PDUs to the UPS outlet, which are 2m long with IEC 320-C19/C20 connectors.
4. Each outlet is protected by a 15amp circuit breaker.
5. Requires electrician to connect directly to the terminal block inlet.
6. Type-Model-Feature ordering system now used in the US and Canada.

Table 9. IBM UPS7500XHV, 10000XHV Runtimes¹

	Number of battery packs (P/N 39Y8857)			
	+0	+1	+2	+4
Watts load	Runtime (hours/ minutes)	Runtime (hours/ minutes)	Runtime (hours/ minutes)	Runtime (hours/ minutes)
200	4/6	7/36	11/54	20/54
300	3/6	5/48	9/6	16/0
400	2/30	4/36	7/18	12/48
500	2/6	3/54	6/6	10/42
600	1/48	3/18	5/12	9/12

700	1/30	2/54	4/30	8/0
800	1/18	2/30	4/0	7/0
900	1/12	2/18	3/36	6/12
1000	1/6	2/0	3/12	5/42
1200	55	1/42	2/42	4/48
1400	47	1/30	2/18	4/6
1600	41	1/12	2/0	3/36
1800	36	1/6	1/48	3/12
2000	32	1/0	1/36	2/54
3000	19	39	1/0	1/48
4000	13	28	46	1/18
5000	10	21	35	1/0
6000	7	16	28	52
7000	5	13	23	44
8000	4	11	20	37

Note: UPS7500 is rated for up to 6000 total watts; UPS10000 is rated for up to 8000 total watts.

Notes:
1. Data provided by APC.

IBM UPS5000HV

Table 10. IBM UPS5000HV Attributes

	Tower or rack mount		
	Version	UPS5000HV	UPS extend run battery pack
	New T-M-F Ordering System	2419RU1-7618	FC 5743
	Part Number	24195KX	39Y8857
UPS attributes			
Communications links to servers		Serial/USB/Enet	-
Color		black	black
EIA height		3U	3U
Versions			
50 or 60Hz, single phase,VAC:		220-240(xxx)	-
Maximum power capacity (watts)		4500	-
10-Amp, IEC 320-C13 (Device) receptacles		8	-
16-Amp, IEC 320-C19 (PDU)receptacles		2	-
Receptacles (NEMA 5-15R)		-	-
Receptacles (NEMA L5-30R)		-	-
Attached line cord length, NEMA plug type		-	-
Line cord receptacle(IEC 320-)		-	-

Table 11. Country-specific line cords usable with UPS5000HV

Option number	Description
40K9614	4.3m, 30A/208V, EPDU to NEMA L6-30P (US) Line Cord
40K9612	4.3m, 32A/230V, EPDU to IEC 309 P+N+G (non-US) Line Cord
40K9617	4.3m, 32A/230V, Souriau UTG Female to AS/NZ 3112 (Aus/NZ) Line Cord
40K9618	4.3m, 32A/250V, Souriau UTG Female to KSC 8305 (S. Korea) Line Cord

Table 12. IBM UPS5000HV Runtimes

	Number of battery packs (P/N 39Y8857)			
	+0	+1	+2	+4
Watts load	Runtime (hours/ minutes)	Runtime (hours/ minutes)	Runtime (hours/ minutes)	Runtime (hours/ minutes)
50	6/49	18/3	31/32	59/56
100	4/50	12/51	22/29	42/46
200	3/0	8/3	14/6	26/50
300	2/9	5/47	10/10	19/22
400	1/39	4/30	7/54	15/04
500	1/20	3/39	6/26	12/17
600	1/07	3/04	5/24	10/20

700	57	2/38	4/39	8/54
800	50	2/18	4/04	7/48
900	44	2/02	3/37	6/56
1000	39	1/50	3/15	6/14
1200	32	1/30	2/41	5/11
1400	26	1/16	2/17	4/25
1600	22	1/6	1/59	3/50
1800	19	58	1/45	3/23
2000	17	52	1/33	3/1
2500	12	40	1/13	2/22
3000	9	32	1/0	1/57
3400	8	25	50	1/40
4000	6	23	43	1/25
4500	5	20	38	1/15

Notes:
1. Data provided by APC.

1500VA LCD 2U Rack UPS

Table 13.IBM 1500VA LCD 2U Rack UPS Attributes

	Tower or rack mount		
	Version	UPS1500LV	UPS1500HV
	New T-M-F Ordering System	5395RU1-6656	5395RU1-6654
	Part Number	53951AX*	53951KX*
UPS attributes			
Communications links to servers		RS-232/USB	RS-232/USB
Color		black	black
EIA height		2U	2U
Versions			
50 or 60Hz, single phase,VAC:		100-120(xxx)	230
Maximum power capacity (watts)		1000	1000
10-Amp, IEC 320-C13 receptacles		2	4
16-Amp, IEC 320-C19 receptacles		-	-
10-Amp, NEMA 5-15R receptacles		4	-
Attached line cord length, NEMA plug type		-	-
Line cord receptacle(IEC 320-)		One IEC 320-C13 to NEMA 5-15P	-

Table 14. IBM 1500VA LCD 2U Rack UPS Runtimes

		+0
Watts load	Percentage load	Internal Batteries
250	25	14
500	50	11
750	75	7
1000	100	5

Notes:
1. Internal Batteries only

2200VA LCD 2U Rack UPS

Table 15. IBM 2200VA LCD 2U Rack UPS Attributes

	Tower or rack mount			
	Version	UPS2200LV	UPS2200HV	UPS 2U Extended Battery Module
	New T-M-F Ordering System	5395RU2-6655	5395RU2-6656	FC 5732
	Part Number	53952AX	53952KX	46M4108
UPS attributes				
Communications links to servers		RS-232/USB	RS-232/USB	-
Color		black	black	black
EIA height		2U	2U	2U
Versions				

50 or 60Hz, single phase,VAC:	100-120(xxx)	230	72
Maximum power capacity (watts)	1500/1920	1920	-
10-Amp, IEC 320-C13 receptacles	2	8	-
16-Amp, IEC 320-C19 receptacles	2	2	-
16-Amp, NEMA 5-20R receptacles	6	-	-
Attached line cord length, NEMA plug type	-	-	-
Line cord receptacle(IEC 320-)	One IEC 320-C19 to NEMA 5-20P	-	-

Table 16. IBM 2200VA LCD 2U Rack UPS Runtimes

		Number of battery packs (P/N 46M4108)	
		+0	+1
Watts load	Percentage load	Internal Batteries	Runtime (hours/ minutes)
500	25	41	138
969	50	17	64
1450	75	10	40
1920	100	7	28

Notes:

1. One External Battery max

3000VA LCD 3U Rack UPS

Table 17.IBM 3000VA LCD 3U Rack UPS Attributes

	Tower or rack mount				
	Version	UPS3000LV	UPS3000HV	UPS3000HV	UPS 3U Extended Battery Module
	New T-M-F Ordering System	5395RU3-6657	5395RU3-6658	5395RU3-6659	FC 5733
	Part Number	53953AX*	53953JX*	53953KX	69Y1982
UPS attributes					
Communications links to servers		RS-232/USB	RS-232/USB	RS-232/USB	-
Color		black	black	black	black
EIA height		3U	3U	3U	3U
Versions					
50 or 60Hz, single phase,VAC:		100-120(xxx)	208	230	96
Maximum power capacity (watts)		2300/2700	2700	2700	-
10-Amp, IEC 320-C13 receptacles		2	2	8	-
16-Amp, IEC 320-C19 receptacles		2	2	2	-
16-Amp, NEMA 5-20R receptacles		2	-	-	-
16-Amp, NEMA L5-20R receptacles		1	-	-	-
16-Amp, NEMA L6-20R receptacles		-	2	-	-
Attached line cord length, NEMA plug type		-	-	-	-
Line cord receptacle(IEC 320-)		One NEMA L5-30P length: 2.0m	One LP-73 to LS-37	-	-

Table 18. IBM 3000VA LCD 3U Rack UPS Runtimes

		Number of battery packs (P/N 69Y1982)	
		+0	+1
Watts load	Percentage load	Internal Batteries	Runtime (hours/ minutes)
670	25	41	153
1340	50	16	62
2040	75	10	41
2700	100	6	27

Notes:

1. One External Battery max

6000VA LCD 4U Rack UPS

Table 19.IBM 6000VA LCD 4U Rack UPS Attributes

	Tower or rack mount

Version	UPS6000HV	UPS6000HV	UPS 3U Extended Battery Module
New T-M-F Ordering System	5395RU4-6660	5395RU4-6661	FC 5734
Part Number	53956AX	53956KX*	69Y1984*

UPS attributes			
Communications links to servers	RS-232/USB	RS-232/USB	-
Color	black	black	black
EIA height	2U	2U	2U
Versions			
50 or 60Hz, single phase,VAC:	208	230	216
Maximum power capacity (watts)	5600	5600	-
10-Amp, IEC 320-C13 receptacles	-	6	-
16-Amp, IEC 320-C19 receptacles	4	4	-
16-Amp, NEMA L6-30R receptacles	2	-	-
Attached line cord length, NEMA plug type	-	-	-
Line cord receptacle(IEC 320-)	-	-	-

Table 20. IBM 6000VA LCD 4U Rack UPS Runtimes

Number of battery packs (P/N 69Y1984)			
		+0	+1
Watts load	Percentage load	Internal Batteries	Runtime (hours/ minutes)
1400	25	51	112
2800	50	21	51
4200	75	12	31
5600	100	8	19

Notes:

1. One External Battery max

11000VA LCD 5U Rack UPS

Table 21. IBM 11000VA LCD 5U Rack UPS

	Tower or rack mount		
	Version	UPS11000VA	UPS 3U Extended Battery Module
	New T-M-F Ordering System	5395RU5-6662	FC 5735
	Part Number	53959KX	69Y1986
UPS attributes			
Communications links to servers		RS-232/USB	RS-232/USB
Color		black	black
EIA height		5U	3U
Versions			
50 or 60Hz, single phase,VAC:		208 / 230	288
Maximum power capacity (watts)		10000	-
10-Amp, IEC 320-C13 receptacles		-	4
16-Amp, IEC 320-C19 receptacles		8	-
10-Amp, NEMA 5-15R receptacles		-	-
Attached line cord length, NEMA plug type		-	-
Line cord receptacle(IEC 320-)		Eight IEC 320 - C19	-

Table 22. IBM 11000VA LCD 5U Rack UPS Runtimes

Number of battery packs (P/N 69Y1986)			
		+0	+1
Watts load	Percentage load	Internal Batteries	Runtime (hours/ minutes)
2500	25	37	79
5000	50	14	35
7500	75	8	20
10000	100	5	14

Notes:

1. One External Battery max

Appendix B. Power data overview

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

Note:

The following table is used in conjunction with the UPS Runtime tables in the Uninterruptible power supplies appendix.

B = Basic (included standard), D = Default (recommended), S = Selectable

B is included with unit (typically used only on Storage units) and ships even if an alternative option is requested.

D is included with unit unless an alternative option is selected.

S is a selectable option cable that can replace a D (default) cable or ship with (but not replace) a B (basic) cable.

Table 1. Product Power Data

				External Power Line Cords ³						
Machine type/ model	Power inlets (std/ max)	Power Watts Load (Watts) (Typical/ Max) ¹	(6369) 1.8m C13/ 5-15P	(6313) 2.8m C13/ 5-15P	(6370) 4.3m C13/ 5-15P	(6351) 1.8m C13/ 6-15P	(6372) 2.8m C13/ 6-15P	(6389) 1.8m C13/ L6-15P	(6390) 2.8m C13/ L6-15P	
Server products										
x3200 M2 (One power supply)	9234	1/2	560/ 800	S	D	S	S	S		
x3200 M3 (Single power supply)	7327, 7328	1/2	-/ 490	S	D	S	S	S		
x3200 M3 (Dual Power Supplies)	7327, 7328	1/2	-/ 505	S	D	S	S	S		
x3250 M3	4251, 4252	1/1	-/ 350	S	S		S	S		
x3400 M2 (Single power supply)	7836, 7837	1/2	700/ 1000		D					
x3400 M2 (Dual Power Supplies)	7836, 7837	1/2	770/ 1100		D					
x3400 M3 (Single Power Supply)	7378, 7379	1/1	-/ 1000		D					
x3400 M3 (Dual Power Supplies)	7378, 7379	1/2	-/ 1100		D					
x3500 M2 (Single Power Supply)	7839	1/1	700/ 1000		S					
x3500 M2 (Dual Power Supplies)	7839	1/2	770/ 1100		S					
x3550 M3 (Dual Power Supplies)	7944	1/2	-/ 770	S	S		S	S		
x3620 M3 (Dual Power Supplies)	7376	1/2	-/ 770	S	S		S	S		
x3630 M3	7377	1/2	-/ 770	S	S		S	S		
x3550 ²	7978	1/2	490/ 700	S	D		S	S		
x3550 M2 ²	7946	1/2	539/ 770	S	S		S	S		
x3650 M2 ²	7947	1/2	539/ 770	S	S		S	S		

x3650 M3 (Dual Power Supplies)	7945	1/2	-/ 770	S	S	S	S
x36502	7979	1/2	679/ 970	S	D	S	S
x3690 X5 (with one power supply, <675W load)	7148	1/2	525/ 750			S	
x3690 X5 (with one power supply, >675W load)	7148	2/4	1050/ 1500			S	
x3755 (With one power supply. Max Load 100V)	7163	1/2	610/ 872		S	S	S
x3755 (With one power supply. Max Load 220V)	7163	1/2	610/ 1700		S	S	S
x3755 (With two power supply)	7163	1/2	1190/ 1700		S	S	S
x3755 M3(With one power supply Dual processors only)	7164	1/1	-/ 950		S	S	S
x3755 M3(With two power supplies Dual processors)	7164	2/2	-/ 950		S	S	S
x3755 M3(With two power supplies Quad processors)	7164	2/2	-/ 1900		S	S	S
x3755 M3(With three power supplies Quad processors)	7164	3/3	-/ 1900		S	S	S
x3850/x3950 M2	7233	2/2	1134/ 1620			S	
x3850/3950 X5 (One power Supply at 110Vac)	7145	1/1	-/ 965			S	
x3850/3950 X5 (One power Supply at 220Vac)	7145	1/1	-/ 2150			S	
x3850/3950 X5 (Two power Supply at 110Vac)	7145	2/2	-/ 1930			S	
x3850/3950 X5 (Two power Supply at 220Vac)	7145	2/2	-/ 2150			S	
BladeCenter S (two power supplies. Low Voltage)2, 6	8886	2/4	1568/ 2240			S	
BladeCenter S (four power supplies. Low Voltage)2, 6	8886	2/4	3136/ 4480			S	
BladeCenter S (two or four power supplies. Use 12amp line cords)2, 6	8886	2/4	2240/ 3200			S	
BladeCenter (two 2000w power supplies) 2,4	8677	2/4	1800/ 2650				
BladeCenter (four 2000w power supplies) 2,4	8677	2/4	3700/ 5300				
BladeCenter (two 2000w power supplies) 2,4	8677	2/4	2038/ 2912.1				

BladeCenter (four 2000w power supplies) 2,4	8677	2/4	4077/ 5824.2
BladeCenter (two 2320w power supplies) 2,4	8677	2/4	2404/ 3434.1
BladeCenter (four 2320w power supplies) 2,4	8677	2/4	4808/ 6868.2
BladeCenter H (two 2900w power supplies) 2,4	8852	2/2	3325/ 4750
BladeCenter H (two 2900w power supplies) 2,4	8852	2/2	3325/ 4750
BladeCenter H (four 2900w power supplies) 2,4	8852	4/4	6650/ 9500

Storage System				
IBM System Storage DS3200	172621X	2/2	421/ 500	2B
IBM System Storage DS3200 Express Model	172621E	-/-	-/-	2B
IBM System Storage DS3200	172622X	2/2	421/ 500	2B
IBM System Storage DS3200 Express Model	172622E	-/-	-/-	2B
IBM System Storage DS3200 DC Power Model	172622T	2/2	421/ 500	
IBM BladeCenter Boot Disk System	172622B	-/-	-/-	2B
IBM System Storage DS3300	172631X	2/2	421/ 500	2B
IBM System Storage DS3300 Express Model	172631E	-/-	-/-	2B
IBM System Storage DS3300	172632X	2/2	421/ 500	2B
IBM System Storage DS3300 Express Model	172632E	-/-	-/-	2B
IBM System Storage DS3300 DC Power Model	172632T	2/2	421/ 500	
IBM System Storage DS3400	172641X	2/2	421/ 500	2B
IBM System Storage DS3400 Express Model	172641E	-/-	-/-	2B
IBM System Storage DS3400	172642X*	2/2	421/ 500	2B
IBM System Storage DS3400 Express Model	172642E	-/-	-/-	2B
IBM System Storage DS3400 DC Power Model	172642T*	2/2	421/ 500	
DS4200 Express Model 7V	18147VH	2/2	-/443	2B

DS4700 Express Model 70	181470H*	2/2	-/443	2B
DS4700 Express Model 70-DC	181470T	2/2	-/443	
DS4700 Express Model 72	181472H*	2/2	-/443	2B
External expansion units				
System Storage EXP3000	172701X	-/-	-/-	2B
System Storage DS4000 EXP420	18128VH	2/2	-/443	
DS4000 EXP810 Model 81	181281H	2/2	-/443	
IBM System Storage EXP395 Expansion Unit	181492H*	-/-	-/-	2B
Additional fibre channel components				
IBM System Storage SAN24B-4 Express	249824E	1/1	-/75	
IBM System Storage SAN40B-4 1	249840E	2/2	-/125	
IBM TotalStorage SAN16B-2 Express Model	200516B	1/1	-/75	1B
IBM Converged Switch B32	375832E*	2/2	214.2/306	
External tape and tape library attributes				
TS2900 Tape Autoloader Model S3R	3572S3R	1/1	-/120	
TS2900 Tape Autoloader Model S3E1	3572S3E	1/1	-/120	
TS2900 Tape Autoloader Model S4R	3572S4R	1/1	-/120	
TS2900 Tape Autoloader Model S4E1	3572S4E	1/1	-/120	
IBM 1U Tape Drive External Enclosure	87651UX	1/1	-/135	
IBM Half High Tape Drive External Enclosure	8767HHX	1/1	-/110	
Rack console options				
Console Switch	1735xLX	1/1	-/40	1B 1B
Console Manager	1735xGX	1/1	-/40	1B 1B
1U 19in Console kit	172319X	1/1	-/60	1B
1U 17in Console kit	172317X	1/1	-/60	1B

Table 1. Product Power Data (continued)

				External Power Line Cords (continue) ³						
Machine type/ model	Power inlets (std/ max)	Power Watts Load (Watts) (Typical/ Max) ¹		(6207) 4.3m C13/ 5-15P	(6391) 4.3m C13/ L6-15P	(6535) 2.5m C19/ 5-15P	(6253) 2.5m C19/ 6-15P	(6275) 4.3m C19/ L6-20P	(6270) 4.3m 2xL6-30P	(6271) 4.3m C20
Server products										
x3250 M3	4251, 4252	-	-	S						

x3400 M2 (Single power supply)	7836, 7837	1/2	700/ 1000	S
x3400 M2 (Dual Power Supplies)	7836, 7837	1/2	770/ 1100	S
x3400 M3 (Single Power Supply)	7378, 7379	1/1	-/ 1000	S
x3400 M3 (Dual Power Supplies)	7378, 7379	1/2	-/ 1100	S
x3500 M2 (Single Power Supply)	7839	1/1	700/ 1000	S
x3500 M2 (Dual Power Supplies)	7839	1/2	770/ 1100	S
x3500 M3 (Single Power Supply)	7380	1/1	-/ 1000	S
x3500 M3 (Dual Power Supplies)	7380	1/1	-/ 1100	S
x3550 M22	7946	1/2	539/ 770	S
x3550 M3 (Dual Power Supplies)	7944	1/2	-/ 770	S
x3620 M3 (Dual Power Supplies)	7376	1/2	-/ 770	S
x3630 M3	7377	1/2	-/ 770	S
x3650 M22	7947	1/2	539/ 770	S
x3650 M3 (Dual Power Supplies)	7945	1/2	-/ 770	S
x35502	7978	1/2	490/ 700	S
x36502	7979	1/2	679/ 970	S
x3690 X5 (with one power supply, < 675W load)	7148	1/2	525/ 750	S
x3690 X5 (with one power supply, > 675W load)	7148	2/4	1050/ 1500	S
x3755(With one power supply. Max Load 100V) 3	7163	1/2	610/ 872	S
x3755 (With one power supply. Max Load 220V)	7163	1/2	610/ 1700	S
x3755 (With two power supply)	7163	1/2	1190/ 1700	S
x3755 M3(With one power supply Dual processors only)	7164	1/1	-/ 950	S
x3755 M3(With two power supplies Dual processors)	7164	2/2	-/ 950	S
x3755 M3(With two power supplies Quad processors)	7164	2/2	-/ 1900	S
x3755 M3(With three power supplies Quad processors)	7164	3/3	-/ 1900	S

x3850/3950 X5 (One power Supply at 110Vac)	7145	1/1	-/ 965	S				
x3850/3950 X5 (One power Supply at 220Vac)	7145	1/1	-/ 2150	S				
x3850/3950 X5 (Two power Supply at 110Vac)	7145	2/2	-/ 1930	S				
x3850/3950 X5 (Two power Supply at 220Vac)	7145	2/2	-/ 2150	S				
BladeCenter S (two power supplies. Low Voltage)2, 6	8886	2/4	1568/ 2240		S			
BladeCenter S (four power supplies. Low Voltage)2, 6	8886	2/4	3136/ 4480		S			
BladeCenter S (two or four power supplies. Use 12amp line cords)2, 6	8886	2/4	2240/ 3200			S	S	
BladeCenter (two 2000w power supplies) 2,4	8677	2/4	1800/ 2650			S		
BladeCenter (four 2000w power supplies) 2,4	8677	2/4	3700/ 5300			S		
BladeCenter (two 2000w power supplies) 2,4	8677	2/4	2038/ 2912.1			S		
BladeCenter (four 2000w power supplies) 2,4	8677	2/4	4077/ 5824.2			S		
BladeCenter (two 2320w power supplies) 2,4	8677	2/4	2404/ 3434.1			S		
BladeCenter (four 2320w power supplies) 2,4	8677	2/4	4808/ 6868.2			S		
BladeCenter H (two 2900w power supplies) 2,4	8852	2/2	3325/ 4750				S	S
BladeCenter H (two 2900w power supplies) 2,4	8852	2/2	3325/ 4750				S	S
BladeCenter H (four 2900w power supplies) 2,4	8852	4/4	6650/ 9500				S	S
Storage System								
IBM System Storage DS3200	172621X	2/2	421/ 500					
IBM System Storage DS3200	172622X	2/2	421/ 500					
IBM System Storage DS3200 DC Power Model	172622T	2/2	421/ 500					
IBM System Storage DS3300	172631X	2/2	421/ 500					
IBM System Storage DS3300	172632X	2/2	421/ 500					
IBM System Storage DS3300 DC Power Model	172632T	2/2	421/ 500					

IBM System Storage DS3400	172641X	2/2	421/500	
IBM System Storage DS3400	172642X*	2/2	421/500	
IBM System Storage DS3400 DC Power Model	172642T*	2/2	421/500	
DS4200 Express Model 7V	18147VH	2/2	-/443	
DS4700 Express Model 70	181470H*	2/2	-/443	
DS4700 Express Model 70-DC	181470T	2/2	-/443	
DS4700 Express Model 72	181472H*	2/2	-/443	
External expansion units				
System Storage DS4000 EXP420	18128VH	2/2	-/443	
DS4000 EXP810 Model 81	181281H	2/2	-/443	
Additional fibre channel components				
IBM System Storage SAN24B-4 Express	249824E	1/1	-/75	
IBM System Storage SAN40B-4 1	249840E	2/2	-/125	
IBM TotalStorage SAN16B-2 Express Model	200516B	1/1	-/75	
IBM Converged Switch B32	375832E*	2/2	214.2/306	
External tape and tape library attributes				
TS2900 Tape Autoloader Model S3R	3572S3R	1/1	-/120	
TS2900 Tape Autoloader Model S3E1	3572S3E	1/1	-/120	
TS2900 Tape Autoloader Model S4R	3572S4R	1/1	-/120	
TS2900 Tape Autoloader Model S4E1	3572S4E	1/1	-/120	
IBM 1U Tape Drive External Enclosure	87651UX	1/1	-/135	
IBM Half High Tape Drive External Enclosure	8767HHX	1/1	-/110	
Rack console options				
Console Switch	1735xLX	1/1	-/40	1B
Console Manager	1735xGX	1/1	-/40	1B
1U 19in Console kit	172319X	1/1	-/60	1B
1U 17in Console kit	172317X	1/1	-/60	1B

Table 1. Product Power Data (continued)

External Power Line Cords (continue)²

	Machine type/ model	Power inlets (std/ max)	Power Watts Load (Watts) (Typical/ Max) ¹	(6373) 4.3m C13/6- 15P	(6401) 2.8m C13/5- 15P	(6538) 2.5m C19 L6-20P	(9800) 2.8m Power Cord
Server products							
x3200 M2	9234	1/2	560/ 800	S			
x3200 M3 (Single power supply) ²	7327, 7328	1/2	-/ 490	S			
x3200 M3 (Dual Power Supplies) ²	7327, 7328	1/2	-/ 505	S			
x3500 M2 ²	7839	-	-		D		
x3400 M2(Single power supply) ²	7836, 7837	1/2	700/ 1000		S		
x3400 M2(Dual Power Supplies) ²	7836, 7837	1/2	770/ 1100		S		
x3400 M3 (Single Power Supply)	7378, 7379	1/1	-/ 1000		D		
x3400 M3 (Dual Power Supplies)	7378, 7379	1/2	-/ 1100		D		
x3500 M2 (Single Power Supply)	7839	1/1	700/ 1000		D		
x3500 M2 (Dual Power Supplies)	7839	1/2	770/ 1100		D		
x3500 M3 (Single Power Supply)	7380	1/1	-/ 1000		D		
x3500 M3 (Dual Power Supplies)	7380	1/1	-/ 1100		D		
BladeCenter (two 2000w power supplies) ^{2,4}	8677	2/4	1855/ 2650			S	
BladeCenter (four 2000w power supplies) ^{2,4}	8677	4/4	3710/ 5300			S	
BladeCenter H (two 2900w power supplies) ^{2,4}	8852	2/2	3325/ 4750				
BladeCenter H (four 2900w power supplies) ^{2,4}	8852	4/4	6650/ 9500				
Storage System							
IBM System Storage DS3200	172621X	2/2	421/ 500				
IBM System Storage DS3200	172622X	2/2	421/ 500				
IBM System Storage DS3200 DC Power Model	172622T	2/2	421/ 500				
IBM System Storage DS3300	172631X	2/2	421/ 500				
IBM System Storage DS3300	172632X	2/2	421/ 500				
IBM System Storage DS3300 DC Power Model	172632T	2/2	421/ 500				
IBM System Storage DS3400	172641X	2/2	421/ 500				
IBM System Storage DS3400	172642X*	2/2	421/ 500				
IBM System Storage DS3400 DC Power Model	172642T*	2/2	421/ 500				
DS4200 Express Model 7V	18147VH	2/2	-/443				
DS4700 Express Model 70	181470H*	2/2	-/443				
DS4700 Express Model 70-DC	181470T	2/2	-/443				
DS4700 Express Model 72	181472H*	2/2	-/443				
External expansion units							
System Storage DS4000 EXP420	18128VH	2/2	-/443				
DS4000 EXP810 Model 81	181281H	2/2	-/443				
Additional fibre channel components							

IBM System Storage SAN24B-4 Express	249824E	1/1	-/ 75	
IBM System Storage SAN40B-4 1	249840E	2/2	-/ 125	
IBM TotalStorage SAN16B-2 Express Model	200516B	1/1	-/ 75	
IBM Converged Switch B32	375832E*	2/2	214.2/ 306	2B
External tape and tape library attributes				
TS2900 Tape Autoloader Model S3R	3572S3R	1/1	-/ 120	1B
TS2900 Tape Autoloader Model S3E1	3572S3E	1/1	-/ 120	1B
TS2900 Tape Autoloader Model S4R	3572S4R	1/1	-/ 120	1B
TS2900 Tape Autoloader Model S4E1	3572S4E	1/1	-/ 120	1B
IBM 1U Tape Drive External Enclosure	87651UX	1/1	-/ 135	
IBM Half High Tape Drive External Enclosure	8767HHX	1/1	-/ 110	
Rack console options				
Console Switch	1735xLX	1/1	-/ 40	
Console Manager	1735xGX	1/1	-/ 40	
1U 19in Console kit	172319X	1/1	-/ 60	
1U 17in Console kit	172317X	1/1	-/ 60	

Table 1. Product Power Data (continued)

				Internal Power Cables ²						
	Machine type/ model	Power inlets (std/ max)	Power Watts Load (Watts) (Typical/ Max) ¹	(6201) 1.5m C13/ C14	(6316) 2m C13/ C14	(6311) 2.8m C13/ C14	(6400) 2.8m C13/ C14	(6263) 4.3m C13/ C14	(6204) 2.8m C13/ C20	(6406) 2.8m 2xC13/ C14 Y-cable
Server products										
x3200 M2	9234	1/2	560/ 800	S	S	S			S	
x3200 M3 (Single power supply) ²	7327, 7328	1/2	-/ 490	S	S	S			S	
x3200 M3 (Dual Power Supplies) ²	7327, 7328	1/2	-/ 505		S	S			S	
x3250 M3	4251, 4252	-	-	S	S	D		S	S	
x3400 M2 (Single power supply)	7836, 7837	1/2	700/ 1000	S		S	S			
x3400 M2 (Dual Power Supplies)	7836, 7837	1/2	770/ 1100	S		S	S			
x3400 M3 (Single Power Supply)	7378, 7379	1/1	-/ 1000	S		S	S	S		
x3400 M3 (Dual Power Supplies)	7378, 7379	1/2	-/ 1100	S		S	S	S		
x3500 M2 (Single Power Supply)	7839	1/1	700/ 1000	S		S	S	S		
x3500 M2 (Dual Power Supplies)	7839	1/2	770/ 1100	S		S	S	S		
x3500 M3 (Single Power Supply)	7380	1/1	-/ 1000	S			S	S		

x3500 M3 (Dual Power Supplies)	7380	1/1	-/ 1100	S			S	S	
x3550 M22	7946	1/2	539/ 770	S	S	D		S	S
x3550 M3 (Dual Power Supplies)	7944	1/2	-/ 770	S	S	D		S	S
x3620 M3 (Dual Power Supplies)	7376	1/2	-/ 770	S	S	D		S	S
x3630 M3	7377	1/2	-/ 770	S	S	D		S	S
x3650 M22	7947	1/2	539/ 770	S	S	D		S	S
x3650 M3 (Dual Power Supplies)	7945	1/2	-/ 770	S	S	D		S	S
x35502	7978	1/2	490/ 700	S	S	D		S	S
x3650 M22	7838	-/-	-/-			D			
x36502	7979	1/2	679/ 970	S	S	D		S	S
x3690 X5 (with one power supply, < 675W load)	7148	1/2	525/ 750	S		D		S	S D
x3690 X5 (with one power supply, > 675W load)	7148	2/4	1050/ 1500	S		D		S	S D
x3755 (With one power supply. Max Load 100V)	7163	1/2	610/ 872			D			S
x3755 (With one power supply. Max Load 220V)	7163	1/2	610/ 1700			D			S
x3755 (With two power supply)	7163	1/2	1190/ 1700			D			S
x3755 M3(With one power supply Dual processors only)	7164	1/1	-/ 950	S		D		S	S
x3755 M3(With two power supplies Dual processors)	7164	2/2	-/ 950	S		D		S	S
x3755 M3(With two power supplies Quad processors)	7164	2/2	-/ 1900	S		D		S	S
x3755 M3(With three power supplies Quad processors)	7164	3/3	-/ 1900	S		D		S	S
x3850 /3950 M2	7233	2/2	1134/ 1620	S		D		S	S
x3850/3950 X5 (One power Supply at 110Vac)	7145	1/1	-/ 965	S		D		S	S
x3850/3950 X5 (One power Supply at 220Vac)	7145	1/1	-/ 2150	S		D		S	S
x3850/3950 X5 (Two power Supply at 110Vac)	7145	2/2	-/ 1930	S		D		S	S
x3850/3950 X5 (Two power Supply at 220Vac)	7145	2/2	-/ 2150	S		D		S	S
BladeCenter S (two 950w power supplies) 2, 6	8886	2/4	1585/ 2235						

BladeCenter S (four 950w power supplies) 2, 6	8886	4/4	2347/ 3353
BladeCenter S (two 1450w power supplies) 2, 6	8886	2/4	2240/ 3200
BladeCenter S (four 1450w power supplies) 2, 6	8886	4/4	2240/ 3200
BladeCenter T	8730	-	-
BladeCenter (two 2000w power supplies) 2,4	8677	2/4	1855/ 2650
BladeCenter (four 2000w power supplies) 2,4	8677	4/4	3710/ 5300
BladeCenter H (two 2900w power supplies) 2,4	8852	2/2	3325/ 4750
BladeCenter H (four 2900w power supplies) 2,4	8852	4/4	6650/ 9500

S

Storage System

IBM System Storage DS3200	172621X	2/2	421/ 500
IBM System Storage DS3200	172622X	2/2	421/ 500
IBM System Storage DS3200 DC Power Model	172622T	2/2	421/ 500
IBM System Storage DS3300	172631X	2/2	421/ 500
IBM System Storage DS3300	172632X	2/2	421/ 500
IBM System Storage DS3300 DC Power Model	172632T	2/2	421/ 500
IBM System Storage DS3400	172641X	2/2	421/ 500
IBM System Storage DS3400	172642X*	2/2	421/ 500
IBM System Storage DS3400 DC Power Model	172642T*	2/2	421/ 500
DS4200 Express Model 7V	18147VH	2/2	-/443
DS4700 Express Model 70	181470H*	2/2	-/443
DS4700 Express Model 70-DC	181470T	2/2	-/443
DS4700 Express Model 72	181472H*	2/2	-/443

External expansion units

System Storage DS4000 EXP420	18128VH	2/2	-/443
DS4000 EXP810 Model 81	181281H	2/2	-/443

Additional fibre channel components

IBM System Storage SAN24B-4 Express	249824E	1/1	-/ 75

IBM System Storage SAN40B-4 1	249840E	2/2	-/ 125
IBM TotalStorage SAN16B-2 Express Model	200516B	1/1	-/ 75
IBM Converged Switch B32	375832E*	2/2	214.2/ 306

External tape and tape library attributes

TS2900 Tape Autoloader Model S3R	3572S3R	1/1	-/ 120
TS2900 Tape Autoloader Model S3E1	3572S3E	1/1	-/ 120
TS2900 Tape Autoloader Model S4R	3572S4R	1/1	-/ 120
TS2900 Tape Autoloader Model S4E1	3572S4E	1/1	-/ 120
IBM 1U Tape Drive External Enclosure	87651UX	1/1	-/ 135
IBM Half High Tape Drive External Enclosure	8767HHX	1/1	-/ 110

Rack console options

Console Switch	1735xLX	1/1	-/ 40	1B	1B	1B	1B
Console Manager	1735xGX	1/1	-/ 40	1B	1B	1B	1B
1U 19in Console kit	172319X	1/1	-/ 60		1B	1B	1B
1U 17in Console kit	172317X	1/1	-/ 60		1B	1B	1B

Table 1. Product Power Data (continued)

				Internal Power Cables (continue)2				
	Machine type/ model	Power inlets (std/ max)	Power Watts Load (Watts) (Typical/ Max)1	(6312) 1.8m C13/5-15P	(6366) 2.8m C13/5- 15P	(6252) 2.5m C19/C20	(6226) 2.8m 3xC20	(6527) C19/C20
Server products								
x35502	7978	1/2	490/ 700					
x36502	7979	1/2	679/ 970					
x3755 (With one power supply. Max Load 100V)	7163	1/2	610/ 872	S				
x3755 (With one power supply. Max Load 220V)	7163	1/2	610/ 1700	S				
x3755 (With two power supply)	7163	1/2	1190/ 1700	S				
x3755 M3(With one power supply Dual processors only)	7164	1/1	-/ 950	S				
x3755 M3(With two power supplies Dual processors)	7164	2/2	-/ 950	S				
x3755 M3(With two power supplies Quad processors)	7164	2/2	-/ 1900	S				
x3755 M3(With three power supplies Quad processors)	7164	3/3	-/ 1900	S				
BladeCenters	8750	-	-					S

BladeCenter S (two 950w power supplies) 2, 6	8886	2/4	1585/ 2235	S	
BladeCenter S (four 950w power supplies) 2, 6	8886	4/4	2347/ 3353	S	
BladeCenter S (two 1450w power supplies) 2, 6	8886	2/4	2240/ 3200	S	
BladeCenter S (four 1450w power supplies) 2, 6	8886	4/4	2240/ 3200	S	
BladeCenter (two 2000w power supplies) 2,4	8677	2/4	1855/ 2650	S	
BladeCenter (four 2000w power supplies) 2,4	8677	4/4	3710/ 5300	S	
BladeCenter H (two 2900w power supplies) 2,4	8852	2/2	3325/ 4750		S
BladeCenter H (four 2900w power supplies) 2,4	8852	4/4	6650/ 9500		S

Storage System

IBM System Storage DS3200	172621X	2/2	421/ 500
IBM System Storage DS3200	172622X	2/2	421/ 500
IBM System Storage DS3200 DC Power Model	172622T	2/2	421/ 500
IBM System Storage DS3300	172631X	2/2	421/ 500
IBM System Storage DS3300	172632X	2/2	421/ 500
IBM System Storage DS3300 DC Power Model	172632T	2/2	421/ 500
IBM System Storage DS3400	172641X	2/2	421/ 500
IBM System Storage DS3400	172642X*	2/2	421/ 500
IBM System Storage DS3400 DC Power Model	172642T*	2/2	421/ 500
DS4200 Express Model 7V	18147VH	2/2	-/443
DS4700 Express Model 70	181470H*	2/2	-/443
DS4700 Express Model 70-DC	181470T	2/2	-/443
DS4700 Express Model 72	181472H*	2/2	-/443

External expansion units

System Storage DS4000 EXP420	18128VH	2/2	-/443
DS4000 EXP810 Model 81	181281H	2/2	-/443

Additional fibre channel components

IBM System Storage SAN24B-4 Express	249824E	1/1	-/ 75
IBM System Storage SAN40B-4 1	249840E	2/2	-/ 125

IBM TotalStorage SAN16B-2 Express Model	200516B	1/1	-/ 75
IBM Converged Switch B32	375832E*	2/2	214.2/ 306
External tape and tape library attributes			
TS2900 Tape Autoloader Model S3R	3572S3R	1/1	-/ 120
TS2900 Tape Autoloader Model S3E1	3572S3E	1/1	-/ 120
TS2900 Tape Autoloader Model S4R	3572S4R	1/1	-/ 120
TS2900 Tape Autoloader Model S4E1	3572S4E	1/1	-/ 120
IBM 1U Tape Drive External Enclosure	87651UX	1/1	-/ 135
IBM Half High Tape Drive External Enclosure	8767HHX	1/1	-/ 110
Rack console options			
Console Switch	1735xLX	1/1	-/ 40
Console Manager	1735xGX	1/1	-/ 40
1U 19in Console kit	172319X	1/1	-/ 60
1U 17in Console kit	172317X	1/1	-/ 60

Notes:

1. This table represents general guidelines for selecting the appropriate UPS based on minimum and typical runtime estimates. A 'maximum configuration' load will result in 'minimum' UPS runtime. 'Typical' loads are based on a production system running at approximately 70% of maximum capacity. The 'typical' load represents a more likely configuration by providing an accurate estimation of runtime. Customer environments are unique and are unlikely to be precisely represented by any of the specific entries in the table.
2. Power-Factor Corrected (PFC) power supply.
3. Use with IBM UPS7500X or UPS10000X only.
4. x3850 M2 is limited to 2-way max when using low voltage (100-127V).
5. BladeCenter S power supplies provide 950w when using low voltage (100-127V) and 1450w when using high voltage (200-250V). BladeCenter S uses different feature codes for power cables. The following lists the BladeCenter S power cable feature code and the regular feature code shown in the table above in parenthesis 4558 (6252), 3733 (6253), 4560 (6275), 4578 (6535).

Note: B = Basic (included standard), D = Default (recommended), S = Selectable

Table 2. Power supply options

Power supply	Option number	Feature code	SBB	Geography	Compatible with	Power cables ¹			
						(6369) 1.8m C13/ 5-15P	(6313) 2.8m C13/ 5-15P	(6207) 4.3m C13/ 5-15P	(6351) 1.8m C13/ 6-15P
450W	43V7477*	1990	43V7427	WW	x3550			S	
670W	32R2815*	1964	32R2810	WW	x3550			S	
675W	46M1075	2100	44X0147	WW	x3550 M3, x3650 M2, x3650 M3			S	
	69Y1213	4777	59Y3641	WW	x3620 M3			S	
	60Y0332	4782	60Y0310	WW	x3690 X5			S	
770W	43W5902	1988	43W5901	US/Can	x3650			S	
835W	40K1905	1968	40K0029	US/Can	x3650			S	
1x920W	-	7645	69Y0952	WW	x3400 M3			S	
1975W	-	4782	60Y0310	WW	x3850 X5, x3950 X5			S	
950/ 1450W	43W3582	-	-	WW	BladeCenter S				
	-	4548	43W3614	US/Can					
2000W	39M4675	-	-	WW	BladeCenter ²				
	-	1966	39M4622	US/Can					
2900W	31R3335*	1962	32R2112	WW	BladeCenter H				

Table 2. Power supply options (continued)

Power supply	Option number	Feature code	SBB	Geography	Compatible with	Power cables ¹		(6316) 2m C13/ C14	(6311) 2.8m C13/ C14
						(6372) 2.8m C13/ 6-15P	(6201) 1.5m C13/ C14		
450W	43V7477*	1990	43V7427	WW	x3550	S	S		
670W	32R2815*	1964	32R2810	WW	x3550		S		
675W	46M1075	2100	44X0147	WW	x3550 M3, x3650 M2, x3650 M3	S	S		
	69Y1213	4777	59Y3641	WW	x3620 M3	S	S		
	60Y0332	4782	60Y0310	WW	x3690 X5	S	S		
770W	43W5902	1988	43W5901	US/Can	x3650		S		
835W	40K1905	1968	40K0029	US/Can	x3650		S		
1x920W	-	7645	69Y0952	WW	x3400 M3		S		
1440W	59Y6142	1991	43W8614	WW	x3850 M2, x3950 M2	S	S		
1975W	59Y6139	2111	43W8614	WW	x3850 X5, x3950 X5	S	S		
950/ 1450W	43W3582	-	-	WW	BladeCenter S				
	-	4548	43W3614	US/Can					
2000W	39M4675	-	-	WW	BladeCenter ₂				
	-	1966	39M4622	US/Can					
2900W	31R3335*	1962	32R2112	WW	BladeCenter H				

Table 2. Power supply options (continued)

Power supply	Option number	Feature code	SBB	Geography	Compatible with	Power cables ¹		2xC13/ C14 Y-cable	(4578) 2.5m C19/ 5-15P
						(6263) 4.3m C13/ C14	(6204) 2.8m C13/ C20		
450W	43V7477*	1990	43V7427	WW	x3550	S	S		
670W	32R2815*	1964	32R2810	WW	x3550	S	S		
675W	46M1075	-	-	WW	x3550 M2, x3550 M3, x3650 M2, x3650 M3	S	S		
	69Y1213	4777	59Y3641	WW	x3620 M3	S	S		
	60Y0332	4782	60Y0310	WW	x3690 X5	S	S		
770W	43W5902	1988	43W5901	US/Can	x3650	S	S		
835W	40K1905	1968	40K0029	US/Can	x3650	S	S		
1x920W	-	7645	69Y0952	WW	x3400 M3	S	1B		
1440W	59Y6142	1991	43W8614	WW	x3850 M2, x3950 M2	S	S		
1500W	40K7543*	1974	40K7397	US/Can	x3755	S	S		
1975W	-	4782	60Y0310	WW	x3850 X5, x3950 X5		S		
1300W	-	1972	39R9505	US/Can	x3850				
950/ 1450W	43W3582	-	-	WW	BladeCenter S				
	-	4548	43W3614	US/Can					S
2000W	39M4675	-	-	WW	BladeCenter ₂				
	-	1966	39M4622	US/Can					
2900W	31R3335*	1962	32R2112	WW	BladeCenter H				

Table 2. Power supply options (continued)

Power supply	Option number	Feature code	SBB	Geography	Compatible with	Power cables ¹		(4558) 2.5m C19/ 6-15P	(6252) 2.5m C19/ C20
						(3733) 2.5m C19/ 6-15P	(6253) 2.5m C19/ 6-15P		
950/ 1450W	43W3582	-	-	WW	BladeCenter S	S		S	2B
	-	4548	43W3614	US/Can					
2000W	39M4675	-	-	WW	BladeCenter ₂	S		S	2B
	-	1966	39M4622	US/Can					
2900W	31R3335*	1962	32R2112	WW	BladeCenter H				

Notes:

- Optional rack power cords: P/N 39Y7931 - 4.3m/14ft C13/NEMA 5-15P, P/N 39Y7932 - 4.3m/14ft C13/IEC 320-C14, P/N 39Y7938 - 2.8m/9ft C13/IEC 320-C20. See the sales configurator tool for additional power cable selections that may be available.
- Refer to the 'BladeCenter Power Module Upgrade Guidelines' Appendix for

important information that will help determine when a BladeCenter power module upgrade is necessary.

Table 3. Power cables

Option number	SBB	Feature code	Cable part number	Description
Products with 10amp C14 Inlets - Country-specific Line Cords (US / Canada)				
-	39Y5650	6369	39M5080	1.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
-	39Y5652	6370	39M5082	4.3m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord
-	39Y8123	6373	39M5096	4.3m, 10A/208V, C13 to NEMA 6-15P (US) Line Cord
-	39Y6555	6390	39M5116	2.8m, 10A/208V, C13 to NEMA L6-15P (US) Line Cord
-	39Y6556	6391	39M5117	4.3m, 10A/208V, C13 to NEMA L6-15P (US) Line Cord
Products with 10amp C14 Inlets - Internal Rack Power Cables (Worldwide)				
-	39Y5531	6201	39M5375	1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y5532	6316	39M5376	2m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
-	39Y5533	6311	39M5377	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y7932	39Y7979	6263	39M5378	4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable
39Y7938	39Y5547	6204	39M5392	2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable
39Y7931*	39Y5646	6207	39M5076	4.3m, 10A/120V, C13 to NEMA 5-15P Rack Power Cable
BladeCenter with 16amp C20 Inlets				
39Y7916	26R0244	6252	39M5389	2.5m, 16A/100-250V, C19 to IEC 320-C20 Rack Power Cable
-	43W8324	6538	39M5278	2.5m, 16A/208V, C19 to NEMA L6-20P (US) Line Cord
40K9772	39Y5565	6275	39M5279	4.3m, 16A/208V, C19 to NEMA L6-20P (US) Line Cord
BladeCenter H with 37amp UTG Inlets				
25R5785	32R2108	6226	39M5445	2.8m, 200-240V, Triple 16A IEC 320-C20 (WW) Power Cable
25R5783	32R2109	6270	39M5446	4.3m, 208V, Double 30A NEMA L6-30P (US) Line Cord

Appendix C. System management

Attention:

A four-digit feature code is used to specify a component that is configurable in the configurators and the Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by Lenovo into a system using these configurators. To purchase options separately, refer to the option part number provided in this document.

- Overview
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Lenovo system management solutions allow you to run your business-critical applications using innovative hardware technology that prevents most outages and recovers rapidly from the few that do occur. This technology makes System x simpler to service and easier to manage.

This section shows the available range of standard and optional system management processors and describes the features and configuration process for each. This section further demonstrates how these service processors can be interconnected to form a communication network for alerting and monitoring a wide range of system functions and hardware conditions.

Legend

ISMP	Integrated System Management Processor
BMC	Baseboard Management Controller
RSA II	Remote Supervisor Adapter II
RSA II SL	Remote Supervisor Adapter II Slimline
ASMIC	Advanced System Management Interconnect1

Note:

1. An advanced system management interconnect network is for interconnectivity of legacy service processors and/or RSA IIs with one RSA II serving as the gateway to the customer LAN routing alerts and management functions. Service processors that can support an ASM network are: Remote Supervisor Adapter II, Remote Supervisor Adapter, Integrated Systems Management Processor, Advanced Systems Management PCI Adapter and the Advanced Systems Management Processor.

Appendix C. System management

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- Overview
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Functional comparison Advanced examples

Table 1. Functional comparison

Feature/function	ISMP	BMC	RSA II	RSAIL SL
Monitoring & alerting				
In-band alerting	yes ¹	yes	yes	yes
Remote out-of-band alerting	yes ²	yes	yes	yes
Out-of-band environmental monitoring	yes ²	yes	yes	yes
System voltage monitoring	yes	yes	yes	yes
Battery voltage monitoring ³	no	yes	yes	yes
System temperature monitoring	yes	yes	yes	yes
Fan speed monitoring	yes	yes	yes	yes
Fan speed control	yes	yes	yes	yes
Power good signal monitor	yes	yes	yes	yes
NMI detection ³	yes	yes	yes	yes
SMI detection and generation	yes	yes ⁴	yes	yes
Auto server-restart watchdog alert	yes	yes	yes	yes
Management				
System reset control	yes	yes	yes	yes
Remote system power control	yes ²	yes	yes	yes
Text console redirection	no	yes	yes	yes ⁵
Remind button detection	yes	yes ⁴	yes	yes
System LED control (power, disk, alert)	yes	yes	yes	yes
Ligth path LED control	yes	yes	yes	yes
Other				
RS-485 Interconnect network	yes	no	yes	no
Feature/Function				
Remote access via LAN	yes ⁶	yes	yes	yes
Serial-over-LAN	yes ⁶	yes	yes	no
IPMI Serial-over-LAN	no	yes	no ⁷	no ⁷

Notes:

- Requires IBM Director Agent
- Available via the ASM interconnect or from customer LAN with RSAIL installed.
- This capability is not provided by the hardware in all servers.
- Not available on e326.
- This capability is not available on the x236, x336, x346, x460, x460-MXE, x3950, x3950E, x366, x3850, x260, and x3800 servers.
- Requires the addition of a RSAIL to serve as a gateway to customer LAN.
- See the Text Console Redirection feature.

Appendix C. System management

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Functional comparison **Advanced examples**

The following sample configurations are for illustration only and may not be suitable for any specific customer installation. Contact your Lenovo Business Partner or Lenovo Marketing Representative for assistance with your specific configuration requirements.

1. Sample ASM network

The ASM interconnect network is logically and distinctly separate from the customer LAN. Thus, the ASM-nodes are not required to be connected into the LAN. A system with the RSAII or the RSAII-EXA installed will serve as the gateway for the ASM network to the customer LAN and the Director server.

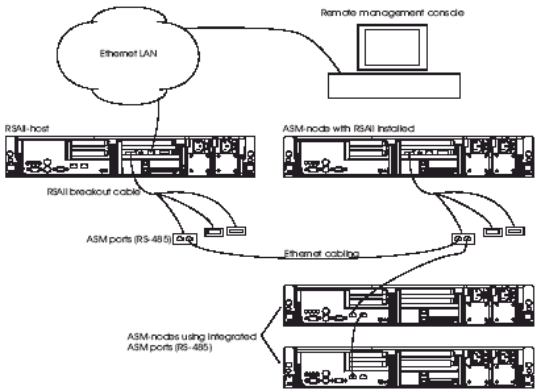
Legend

RSaII-host	System which has the RSaII or RSaII-EXA adapter installed that will be serving as the gateway for the ASM network to the customer LAN for management.
ASM-node	ASM-node=all systems in the ASM network excluding the RSaII-host.
RSA	Refers to RSaII or RSaII-EXA

Cabling rules:

1. Connect the ASM breakout cable to the RSA adapter in the RSaII-host.
2. Using a standard ethernet cable(RJ45), connect one ASM port of RSaII-host's ASM breakout cable to an ASM port of the first ASM-node.
3. Using standard ethernet cables(RJ45), connect remaining ASM port of first ASM-node to an ASM port of the second ASM-node and continue daisy-chaining all remaining ASM-nodes in the same manner. The total ASM interconnect network may be no longer than 91.4m (300ft).
4. Using a standard ethernet cable(RJ45), connect the ethernet port of the RSaII-host's RSA adapter to the customer LAN for ASM management of the ASM network from a remote management console.
5. An Advanced System Management Interconnect Cable Kit may be required. See the Support by Server Table for more information.

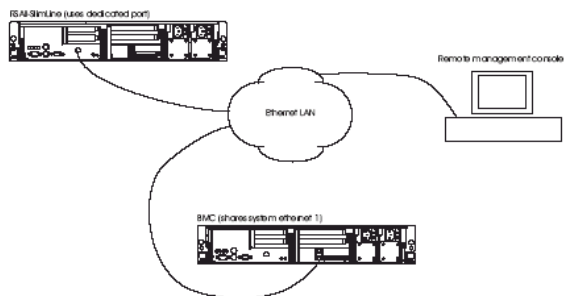
Figure 1. Sample ASM network



Note:

1. RSaII-SlimLine and BMC management do not support a dedicated ASM network.

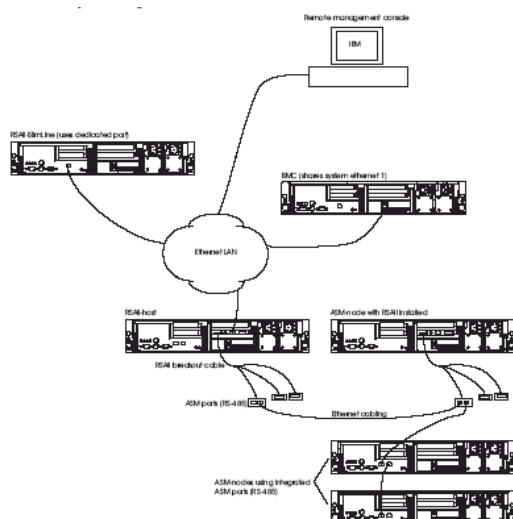
Figure 2. RSaII-SlimLine and BMC Management



Notes:

1. RSAAI-SlimLine and BMC management do not support a dedicated ASM network. Management access is via the Customer LAN using the appropriate ASM ethernet port.
2. BMC access is shared with a designated system ethernet port. The RSAAI-SlimLine access is through a separate, dedicated ethernet port.

Figure 3. Advanced System Management scenario



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MHz and GHz measure only microprocessor internal clock speed, not application performance. Many factors affect application performance.

When referring to storage capacity, MB means 1 000 000 bytes, GB means 1 000 000 000 and TB means 1 000 000 000 000 bytes. Accessible capacity is less; up to 3 GB is used in the service partition. Actual storage capacity will vary based upon many factors and might be less than stated. Some numbers given for storage capacities give capacity in native mode followed by capacity using data compression technology.

Adapters rated at a lower frequency than the slots in which they are installed might reduce the bus to the frequency of the slowest adapter.

Tape drives that use data compression technology have storage capacity that will vary depending upon whether the drive is operating in native mode (without compression) or compressed mode. Actual storage capacity will vary based upon many factors and might be less than the maximum possible.

Maximum internal hard disk and memory capacities might require the replacement of any standard hard disk drives and memory and the population of all hard disk drive bays and memory slots with the largest currently supported available drives and memory modules. When referring to variable speed CDs and DVDs, actual playback speed will vary and is often less than the maximum possible.

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What's New?

(27 October 2015)

Version 238.0

Welcome to the ***What's new?*** page of the *Configuration and Options Guide*. This is your source for finding information on new released products as well as the latest updates on products currently published in the *Configuration and Options Guide*.

General information

Attention:

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For more details about feature codes contact your Lenovo representative.

Publishing dates are provided in this document at the bottom of the page as a version reference to help verify that this is the most current information available. This date will be the same publishing date for both versions of the Configuration and Options Guide, HTML Web pages and PDF document.

Versions of this document released on or after August 8th, 2006 will contain references to feature codes. Feature code is the nomenclature used to specify components of configurable System x products used in US and Canada Web configurators. For more details about feature codes, contact your Lenovo representative.

New products

(27 October 2015)

What's changed

Updated on 27 October 2015

- [System x3500 M4 \(7383 E-2600 v2\) At-A-Glance](#)
- [System x3500 M4 \(7383 E-2600 v2\) HDD options](#)
- [System x3500 M4 \(7383 E-2600 v2\) I/O options](#)
- [System x3500 M4 \(7383 E-2600 v2\) Memory options](#)
- [System x3500 M4 \(7383 E-2600 v2\) Processor options](#)
- [System x3500 M4 \(7383 E-2600 v2\) Power and Accessory options](#)
- [System x3500 M4 \(7383 E-2600 v2\) Tape options](#)
- [System x3550 M4 \(7914 E-2600 v2\) At-A-Glance](#)
- [System x3550 M4 \(7914 E-2600 v2\) HDD options](#)
- [System x3550 M4 \(7914 E-2600 v2\) I/O options](#)
- [System x3550 M4 \(7914 E-2600 v2\) Memory options](#)
- [System x3550 M4 \(7914 E-2600 v2\) Processor options](#)
- [System x3550 M4 \(7914 E-2600 v2\) Power and Accessory options](#)
- [System x3550 M4 \(7914 E-2600 v2\) Tape options](#)
- [System x3650 M4 \(7915 E-2600 v2\) At-A-Glance](#)
- [System x3650 M4 \(7915 E-2600 v2\) HDD options](#)
- [System x3650 M4 \(7915 E-2600 v2\) I/O options](#)
- [System x3650 M4 \(7915 E-2600 v2\) Memory options](#)
- [System x3650 M4 \(7915 E-2600 v2\) Processor options](#)
- [System x3650 M4 \(7915 E-2600 v2\) Power and Accessory options](#)
- [System x3650 M4 \(7915 E-2600 v2\) Tape options](#)



Withdrawn information

(27 October 2015)

As a convenience, Lenovo provides this data regarding products no longer for sale. Some of the data contained herein may be out of date or contain inaccuracies. Updates to this data will not be provided.

Withdrawn products list

Products	Machine type	Date withdrawn
System x3850/3950 X6 (3837)	3837	30 June 2015
System x3850 X6 (3837)	3837	30 June 2015
System x3950 X6 (3837)	3837	30 June 2015
NeXtScale nx360 M4 Compute Node (5455)	5455	30 June 2015
System x3650 M4 HD (5460)	5460	30 June 2015
Flex System x220 Compute Node (7906)	7906	30 June 2015
Flex System x222 Compute Node (7916)	7916	30 June 2015
Flex System x440 Compute Node (7917)	7917	30 June 2015
System x3750 M4 (8752)	8752	30 June 2015
BladeCenter HS23E (8038)	8038	30 April 2015
System x3250 M4 (2583)	2583	31 March 2015
System x3755 M3 (7164)	7164	31 March 2015
System x3100 M4 (2582)	2582	3 March 2015
System x3750 M4 (8722)	8722	28 February 2015
System x3690 X5 (7147)	7147	31 December 2014
BladeCenter HX5 (7873)	7873	31 December 2014
IBM System Storage EXP3800 (1813)	1813	31 July 2014
IBM System Storage DCS3860 (1813)	1813	31 July 2014
EXP2512 Storage Expansion Unit (1747)	1747	30 July 2014
EXP2524 Storage Expansion Unit (1747)	1747	30 July 2014
IBM Storwize V3700 (2072)	2072	30 July 2014
System x3630 M3 (7377)	7377	1 July 2014
BladeCenter E (8677)	8677	30 June 2014
EXP3512 Storage Expansion Unit (1746)	1746	21 June 2014
EXP3524 Storage Expansion Unit (1746)	1746	21 June 2014
System Storage DS3512 Disk System (1746)	1746	21 June 2014
System Storage DS3524 Disk System (1746)	1746	21 June 2014
System x3550 M3 (7944)	7944	31 March 2014
System x3650 M3 (7945)	7945	31 March 2014
EXP395 Storage Expansion Unit (1814)	1814	22 March 2014
BladeCenter HS22 (7870)	7870	31 December 2013
System x3400 M3 (7379)	7379	30 September 2013
System Storage DS3950 Disk System (1814)	1814	23 July 2013
System x3250 M3 (4251, 4252)	4251, 4252	30 June 2013
System x3200 M3 (7327, 7328)	7327, 7328	30 June 2013
BladeCenter HS22V (7871)	7871	30 June 2013
System x3620 M3 (7376)	7376	31 March 2013
System x3500 M3 (7380)	7380	31 March 2013
System x3650 M3 HF (5454)	5454	31 December 2012
BladeCenter HS12 (8028)	8028	31 December 2012
TotalStorage DS4000 EXP810 (1812)	1812	15 December 2012