

Service Component Guide

Supporting IBM Intelligent Cluster and iDataPlex

13B Release v1.0

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Introduction

This document is for use by IBM Intelligent Cluster and iDataPlex solutions service representatives and contains the core components for the current release and one release back.

NOTE: To perform a quick search within this document hold the CTRL key while pressing the “F” key – a search window will pop-up and text or machine types can then be entered.

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Locating the most Current Version or a Previous Version of the Component Guide:

1. Go to <http://www-947.ibm.com/support/entry/portal/documentation>
2. From the “Documentation” page, locate the “Quick Find” search field and enter the Machine Type needed (ex., Intelligent Cluster 1410 or Cluster 1350 1410). (Note: Any pop-up window is optional and can be closed.) A list of Product Documentation will appear in the middle of the window.
3. From the Product Documentation listing, select the publication release/category to be viewed. Once selected, a new window will open containing all the publications for the selected product release/category. Scroll through the listing and locate the desired document and click to open.

1. Release Components for 13A

This chapter provides a list of core components supported by IBM Intelligent Cluster and iDataPlex for the current release.

Nodes

This section provides a list of the node types supported by the IBM Intelligent Cluster and iDataPlex solutions.

Table 1 Cluster Nodes

Cluster Nodes	MT	XCC	Rack
IBM NeXtScale nx360	5455	AC1	1410
IBM System x iDataPlex dx360 M4 ¹	7912	AC1	1410/7825
IBM System x iDataPlex dx360 M4 WWC ¹	7918	AC1	1410/7825
IBM System x3550 M4	7914	AC1/MC1	1410
IBM System x3630 M4	7158	AC1/MC1	1410
IBM BladeCenter HS23 ²	7875	AC1/MC1	1410
IBM BladeCenter HX5 ²	7873	AC1/MC1	1410
IBM Flex System x220 Compute Node	7906	AC1/MC1	1410
IBM Flex System x222 Compute Node	7916	AC1/MC1	1410
IBM Flex System x240 Compute Node	8737	AC1/MC1	1410
IBM Flex System x440 Compute Node	7917	AC1/MC1	1410

Footnotes:

1. iDataPlex nodes do not install directly into the rack. They are installed into an iDataPlex chassis which is then installed into the rack.
2. The BladeCenter blades do not install directly into the rack. They are installed into a BladeCenter chassis which is installed into the rack.

Table 2 Management Nodes

Management Nodes	MT	XCC	Rack
IBM System x3650 M4	7915	AC1/MC1	1410
IBM System x3650 M4 HD	5460	AC1/MC1	1410
IBM System x3690 X5	7147	AC1/MC1	1410
IBM System x3750 M4	8722	AC1/MC1	1410
IBM System x3755 M3	7164	AC1/MC1	1410
IBM System x3850 X5	7143	AC1/MC1	1410

Table 3 Chassis – BladeCenter, Flex, iDataPlex, NeXtScale

Chassis	MT	XCC	Rack
IBM BladeCenter (H) Chassis Base Model	8852	HC1	1410
IBM Flex Chassis	8721	HC1	1410
iDPX 2U Chassis (TianDen)	7913	HC1	1410/7825
IBM System x iDataPlex Direct Water Cooled dx360 M4 2U chassis	7919	HC1	1410/7825
IBM NeXtScale n1200 Enclosure	5455	AC1	1410

Table 4 Enclosures

Enclosure	MT	XCC	FC
IBM Flex System V7000 Control Enclosure	4939	A29	AD00
IBM Flex System V7000 Control Enclosure	4939	X29	AD01
IBM Flex System V7000 Control Enclosure	4939	A49	AD00
IBM Flex System V7000 Control Enclosure	4939	X49	AD00

Server Adapters

This section provides a list of the supported server adapters and their part numbers.

*Table 5 Storage Adapters for Servers
(continued on page 9)*

Storage Adapters for Servers	Option
640GB High IOPS MLC Duo Adapter for IBM System x	81Y4519
640GB High IOPS MLC Adapter for IBM System x	81Y4531
640GB High IOPS SLC Duo Adapter for IBM System x	81Y4539
300GB MLC 34 NM FOR IBM System x	90Y4361
600GB MLC 34 NM FOR IBM System x	90Y4365
800GB MLC 34 NM FOR IBM System x	90Y4369
300GB SLC 34 NM FOR IBM System x	90Y4373
N2125 SAS/SATA HBA for IBM System x	46C9010
N2115 SAS/SATA HBA for IBM System x	46C8988
N2215 SAS/SATA HBA for IBM System x	47C8675
Broadcom NetXtreme II Dual Port 10GBase-T Adapter for System x	49Y7910
Brocade 8Gb FC Single-port HBA for IBM System x	46M6049
Brocade 8Gb FC Dual-port HBA for IBM System x	46M6050
Brocade 1860 Single-port SFP+ 10GbE Fabric Adapter	00Y7026
Brocade 1860 Dual-port SFP+ 10GbE Fabric Adapter	00Y7006
Brocade 16Gb FC Single-port HBA for IBM System x	81Y1668
Brocade 16Gb FC Dual-port HBA for IBM System x	81Y1675
Chelsio T520-LL-CR Dual-port (SFP+) 10GbE PCI-E 3.0 Adapter	46W0609
Chelsio T540-CR Quad-port (SFP+) 10GbE PCI-E 3.0 Adapter	46W0615
Chelsio T580-LP-CR Dual-port (QSFP+) 40GbE PCI-E 3.0 Adapter	46W0620
Emulex 10GbE Integrated Virtual Fabric Adapter for IBM System x	P49Y7944
Emulex 10GbE Virtual Fabric Adapter III for IBM System x	95Y3762
Emulex 10GbE Virtual Fabric Adapter III Lite for IBM System x	95Y3768

*Table 5 Storage Adapters for Servers
(continued from page 8)*

Storage Adapters for Servers	Option
IBM x3750 M4 Dual port 10Gb SFP+ Ethernet Adapter Card	88Y7429
<i>IBM 640GB High IOPS SD Class SSD PCIe Adapter</i>	<i>P68Y7388</i>
<i>IBM 1.3TB High IOPS SSD PCIe Adapter</i>	<i>81Y4527</i>
IBM 1.2TB High IOPS MLC Mono Adapter	90Y4377
IBM 2.4TB High IOPS MLC Duo Adapter	90Y4397
IBM 6Gb SSD Host Bus Adapter	P46M0983
LSI SAS9201-16e Quad-port miniSAS x8 PCIe 2.0 SAS HBA	00Y3535
LSI SAS9206-16e Quad-port x4 HD-miniSAS x8 PCIe 3.0 SAS HBA	00Y3539
QLogic 8Gb FC Single-port HBA for IBM System x	42D0501
QLogic 8Gb FC Dual-port HBA for IBM System x	42D0510
QLogic 16Gb FC Single-port HBA for IBM System x	00Y3337
QLogic 16Gb FC Dual-port HBA for IBM System x	00Y3341
ServeRAID M5014 SAS/SATA Controller	46M0916
ServeRAID M5015 SAS/SATA Controller	46M0829
ServeRAID M5025 SAS/SATA Controller	46M0830
ServeRAID M1015 SAS/SATA Controller	46M0831
ServeRAID M5110 SAS/SATA Controller for IBM System x	81Y4481
ServeRAID M5210 SAS/SATA Controller for IBM System x	46C9110
ServeRAID M1115 SAS/SATA Controller for IBM System x	81Y4448
ServeRAID M5120 SAS/SATA Controller for IBM System x	81Y4478
ServeRAID H1110 SAS/SATA Controller for IBM System x	81Y4492
ServeRAID M5016 SAS/SATA Controller for IBM System x	90Y4304
ServeRAID BR10il SAS/SATA Controller v2	49Y4731
Qlogic Dual Port 10GbE SFP+ Embedded VFA for IBM System x	90Y6454

Table 6 Storage Expansion Cards for BladeCenter

Storage Expansion Cards for BladeCenter	Option/FC
SAS Connectivity Card (CIOv) for IBM BladeCenter	43W4068
Emulex 8Gb Fibre Channel Expansion Card (CIOv) for IBM BladeCenter	46M6140
Qlogic 8Gb Fibre Channel Expansion Card (CIOV) for IBM BladeCenter	44X1945

Table 7 High-speed Communication Adapters for Blade Servers

High-speed Communication Adapters for Blade Servers	Option/FC
10Gb Interposer Card for IBM BladeCenter HS23	94Y8550
2-port 40Gb InfiniBand Expansion Card (CFFh) for IBM BladeCenter	46M6001
Broadcom 10Gb 4-port Ethernet Exp Card (CFFh) FOR IBM BladeCenter	44W4465
Broadcom 10Gb Gen3 2-port Ethernet Exp Cd (CFFh) for IBM BladeCenter	81Y3133
Brocade 2-port 10Gb Converged Network Adapter for IBM BladeCenter	81Y1650
Chelsio T420-BCH Dual-port 10GbE CFFh Expansion Card	46M2245
Emulex 10GbE VFA II for IBM BladeCenter HS23	00Y3298
Emulex 10GbE VFA Advanced II for IBM BladeCenter HS23	00Y3302
Emulex 10GbE Virtual Fabric Adapter Advanced II – IBM BladeCenter	90Y3566

Table 8 High-speed Communication Adapters for Servers

High-speed Communication Adapters for Servers	Option
Mellanox Connect-IB Dual Port QSFP FDR IB HCA	46W0571
Mellanox ConnectX-3 VPI Single-port QSFP QDR/FDR10/10GbE HCA	95Y3451
Mellanox ConnectX-3 VPI Dual-port QSFP QDR/FDR10/10GbE HCA	95Y3455
Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	95Y3459
Mellanox ConnectX-3 Dual Port QDR/FDR10 Mezz Card	00AM476
Mellanox ConnectX-3 Dual Port FDR14 Mezz Card	00D4143
Mellanox ConnectX-3 Dual Port QDR/FDR10 Mezz Card	90Y6338
Mellanox ConnectX-3 VPI Single-port QSFP FDR14/40GbE HCA	00W0037
Mellanox ConnectX-3 VPI Dual-port QSFP FDR14/40GbE HCA	00W0041
Mellanox ConnectX-3 EN Single-port SFP+ 10GbE Adapter	00AE047
Mellanox ConnectX-3 EN Dual-port SFP+ 10GbE Adapter	00W0053
Mellanox ConnectX-3 Dual Port QDR/FDR10 Mezz Card (water cooled)	P94Y6760
QLogic QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	59Y1888
Solarflare SFN5162F MR Dual Port 10GbE SFP+ Adapter for IBM System x	47C9952
Solarflare SFN6122F LL Dual Port 10GbE SFP+ Adapter for IBM System x	47C9960

BladeCenter I/O modules

This section provides a list of the supported BladeCenter input/output (I/O) modules and their part numbers.

Table 9 Storage Modules for BladeCenter

Storage Modules for BladeCenter	Option
Brocade 10-port 8Gb SAN Switch Module for IBM BladeCenter	44X1921
Brocade 20-port 8Gb SAN Switch Module for IBM BladeCenter	44X1920
IBM BladeCenter SAS Connectivity Module	39Y9195
QLogic 20-port 4/8 Gb SAN Switch Module for IBM BladeCenter	88Y6406
QLogic 4/8 Gb Intelligent Pass-thru Module for IBM BladeCenter	88Y6410

Table 10 Network Modules for BladeCenter

Network Modules for BladeCenter	Option
10GB Ethernet Pass-Thru Module for IBM BladeCenter	46M6181
BNT 10-port 10GB Ethernet Switch Module for IBM BladeCenter	46C7191
BNT Layer 2/3 Copper Gb Ethernet Switch Module for IBM BladeCenter	32R1860
BNT 1/10Gb Uplink Ethernet Switch Module for IBM BladeCenter	44W4404
Brocade FCoE Switch Module for IBM BladeCenter	69Y1909
Intelligent Copper Pass-thru Module for IBM BladeCenter	44W4483
Cisco Catalyst Switch Module 3110X for IBM BladeCenter	00Y3250
Cisco Catalyst Switch Module 31110G for IBM BladeCenter	00Y3254
Cisco Catalyst Switch Module 3012 for IBM BladeCenter	46C9272
Cisco Nexus 40011 Switch Module for IBM BladeCenter	46C9270
Intelligent Copper Pass-thru Module for IBM BladeCenter	44W4483
QLogic Virtual Fabric Extension Module for IBM BladeCenter	46M6172
QLogic 20-port 4/8 Gb SAN Switch Module for IBM BladeCenter	88Y6406
QLogic 4/8 Gb Intelligent Pass-thru Module for IBM BladeCenter	88Y6410
Server Connectivity Module for BladeCenter	39Y9324
Voltaire 40Gb InfiniBand Switch Module for IBM BladeCenter	46M6005

OEM switches, switch options and other devices

This section provides a list of the supported OEM switches, switch enclosures, line cards and additional options, a patch panel, terminal servers and their part numbers.

Table 11 Brocade Switches and components of the switches

Brocade Switches	MTM/Option	XCC	Rack
Brocade ICX 6610 Switch (PSE)	0563-042	0563-HD4	1410
Brocade ICX 6610 Switch (oPSE)	0563-043	0563-HD5	iDPx
Brocade VDX 6710 54 Switch (PSE)	0563-028	0563-HCN	1410
Brocade VDX 6710 54 Switch (oPSE)	0563-029	0563-HCP	iDPx
Brocade VDX 6720-24 Switch (PSE)	0563-030	0563-HCQ	1410
Brocade VDX 6720-24 Switch (oPSE)	0563-031	0563-HCR	iDPx
Brocade VDX 6720-60 Switch (PSE)	0563-032	0563-HCS	1410
Brocade VDX 6720-60 Switch (oPSE)	0563-033	0563-HCT	iDPx
Brocade MLXe-8 Switch	0563-034	0563-HCU	-
Brocade MLXe-16 Switch	0563-035	0563-HCV	-
Brocade MLXe/MLX/XMR 16/8-Slot Hi-Speed Fabric Module	0563-040	0563-HD2/HCU/HCV	-
Brocade MLX 8-port SFP+ 10GbE (D) Module	0563-037	0563-HCX/HCU/HCV	-
Brocade MLX 48-port MRJ21 1GbE Module	0563-038	0563-HCY/HCU/HCV	-
Brocade MLXe/MLX RJ45 24-port 1GbE (ML) Module	0563-041	0563-HCY/HCU/HCV	-
Brocade MLXe 24-port SFP+ 10GbE (DM) Module	0563-044	0563-HD6	-
Brocade XIB-R000291-X Enterprise Rack Mount Kit	00W0548	0563-HCN	-
Brocade MLXe-8 Enterprise Rack Mount Kit	00W0530	0563-HCU	-
Brocade MLXe-16 Enterprise Rack Mount Kit	00W0532	0563-HCV	-
Brocade ICX6610-RMK Enterprise Rack Mount Kit	00Y7018	0563-HD4	-
Brocade ICX6610 iDPx Rack Mount Kit	00Y7022	0563-HD5	-
Brocade RPS15-I 250w Power Supply (PSE)	00Y7010	0563-HD4	-
Brocade RPS15-I 250w Power Supply (oPSE)	00Y7012	0563-HD5	-
Brocade ICX6610-FAN-I Fan Module (PSE)	00Y7014	0563-HD4	-
Brocade ICX6610-FAN-E Fan Module (oPSE)	00Y7016	0563-HD5	-

Table 12 Edge-Core (LG-Ericsson) Switches and components of the switches

Edge-Core Switches	MTM/Option	XCC	Rack
Edge-Core ECS4110-52T 1GbE Switch (SE)	4668-025	4668-HCD	-
Edge-Core ECS4510-52T 1GbE Switch (SE)	4668-026	4668-HCE	-
Edge-Core ECS5610-52S 10GbE Switch (PSE)	4668-027	4668-HCF	1410
Edge-Core ECS5610-52S 10GbE Switch (oPSE)	4668-028	4668-HCG	iDPx
Edge-Core ECS5610 400w Power Supply (PSE)	46W0648	4668-HCF	1410
Edge-Core ECS5610 400w Power Supply (oPSE)	46W0650	4668-HCG	iDPx
Edge-Core ECS4510 Dual-port 10GbE Uplink Module	46W0652	4668-HCE	-
Edge-Core ECS iDPx Rack Mount Hardware – Kit 1	46W0656	-	-
Edge-Core ECS Enterprise Rack Mount Hardware – Kit 1	46W0660	-	-
Edge-Core ECS5610 Recessed Enterprise Rack Mount Kit	00AE021	-	-
LG-Ericsson (SMC) Switches	MTM/Option	XCC	Rack
LG-E ES-4052G Recessed Enterprise Rack Mount Kit	00AE001	-	-
LG-E ES-4052G 1GbE Switch (PSE)	4668-023	4668-HCA	1410
LG-E ES-4052G 1GbE Switch (oPSE)	4668-024	4668-HCC	iDPx
LG-E 215w ES-4K Intake Power Supply	46C9538	4668-HCA	-
LG-E 215w ES-4K Exhaust Power Supply	90Y7738	4668-HCC	-

Table 13 Intel (formerly QLogic IB) Switches component of the switch

Intel Switches	MTM/Option	XCC	Rack
Intel 1200 QDR InfiniBand Switch (PSE)	0449-019	0449-HCC	1410
Intel 1200 QDR InfiniBand Switch (oPSE)	0449-020	0449-HCD	iDPx
Intel 12200 QDR IB Redundant Power Switch (PSE)	0449-028	0449-HCM	1410
Intel 12200 QDR IB Redundant Power Switch (oPSE)	0449-029	0449-HCN	iDPx
Intel 12800-180 QDR InfiniBand Switch	0449-022	0449-HCF	1410
Intel 12800-360 QDR InfiniBand Switch	0449-023	0449-HCG	iDPx
Intel 12200 Enterprise Rack Mount Kit (26"-33.25")	00AE029	-	-
Intel 12800 Power Supply	49Y8504	-	-
Intel 12800 Management Module	49Y8543	-	-
Intel 12800 QDR Single Spine Module	0449-024	0449-HCH	
Intel 12800 QDR Double Spine Module	0449-025	0449-HCJ	
Intel 12800 24-port 4X QDR Ultra-HD InfiniBand Leaf Module	0449-026	0449-HCK	
Intel 12800 18-port 4X QDR Ultra-HP InfiniBand Leaf Module	0449-027	0449-HCL	
Intel QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	59Y1888	-	-

Table 14 LSI Switches component of the switch

LSI Switches	MTM/Option	XCC	Rack
LSI SAS6160 SAS Switch (PSE)	0778-011	0788-HC1	1410
LSI SAS6160 1U Mounting Tray Kit	00W0458	0778-HC1	1410

Table 15 Mellanox Ethernet Switches and components of the switches

Mellanox Switches	MTM/Option	XCC	Rack
Mellanox SX6036 FDR10 InfiniBand Switch (PSE)	0724-016	0724-HC9	1410
Mellanox SX6036 FDR10 InfiniBand Switch (oPSE)	0724-017	0724-HCA	iDPx
Mellanox SX6536 FDR10 InfiniBand Switch	0724-018	0724-HCB	-
Mellanox SX6036 FDR14 InfiniBand Switch (PSE)	0724-022	0724-HCF	1410
Mellanox SX6036 FDR14 InfiniBand Switch (oPSE)	0724-023	0724-HCG	iDPx
Mellanox SX6512 FDR14 InfiniBand Switch	0724-024	0724-HCH	1410
Mellanox SX6536 FDR14 InfiniBand Switch	0724-025	0724-HCJ	1410
Mellanox SX1036 40GbE Switch (PSE)	0724-026	0724-HCK	1410
Mellanox SX1036 40GbE Switch (oPSE)	0724-027	0724-HCL	iDPx
Mellanox SX6518 FDR14 InfiniBand Switch	0724-030	0724-HCP	1410
Mellanox BridgeX BX5020 Gateway (PSE)	0724-019	0724-HCC	1410
Mellanox SX65xx 18-port QSFP FDR14 InfiniBand Leaf Module	0724-028	0724-HCM/ HCH/HCJ	1410
Mellanox SX65xx FDR14 Spine Module	0724-029	0724- HCN/HCH/HCJ	1410
Mellanox SX65xx PPC460-based Management Module	90Y3804	0724- HCH/HCJ/HCP	-
Mellanox MSX60xx/MSX10xx 300w Power Supply with Intake Fan	90Y3800	0724-HCF	-
Mellanox MSX60xx/MSX10xx 300w Power Supply with Exhaust Fan	90Y3802	0724-HCG	-
Mellanox 300w Power Supply (Intake)	81Y1521	-	-
Mellanox SX65xx PPC460-based Management Module	90Y3804	-	-
Mellanox SX65xx FDR10 Spine Module	0724-020	0724-HCD	
Mellanox SX65xx FDR14 Spine Module	0724-029	0724-HCN	
Mellanox SX65xx 18-port QSFP FDR10 InfiniBand Leaf Module	0724-021	0724-HCE	
Mellanox SX65xx 18-port QSFP FDR14 InfiniBand Leaf Module	0724-028	0724-HCM	
Mellanox 1U Switch Enterprise Rack Air Duct Kit	00AE039	-	-
Mellanox SX60xx/10xx 75mm Recessed Enterprise Rack Mount Kit	00AE043	-	-

External storage

This section provides a list of the supported storage servers, storage expansion units, storage switches and their part numbers.

Table 16 Storage Servers – FlashSystems 720 AND 820

Storage Servers	MTM (XCC)	HVEC	RACK
IBM GNRx JBOD Model 1 (58x2TB HDD)	0796-HC1	0796-011	1410
IBM GNRx JBOD Model 2 (58x2TB HDD+2x200GB SSD)	0796-HC2	0796-012	1410
IBM GNRx JBOD Model 3 (58x2TB HDD)	0796-HC3	0796-013	1410
IBM GNRx JBOD Model 4 (58x2TB HDD+2x200GB SSD)	0796-HC4	0796-014	1410
IBM System x GPFS Storage Server JBOD (58x4TB)	0796-HC5	0796-015	1410
IBM System x GPFS Storage Server JBOD (58x4TB+2x200GB SSD)	0796-HC6	0796-016	1410
IBM System Storage DS3512 Express Single Controller Storage System	1746-C2A	1746-A2S	1410
IBM System Storage DS3512 Express Dual Controller Storage System	1746-C2A	1746-A2D	1410
IBM System Storage DS3524 Express Single Controller Storage System	1746-C4A	1746-A4S	1410
IBM System Storage DS3524 Express Dual Controller Storage System	1746-C4A	1746-A4D	1410
IBM FlashSystem 720 5TB SLC	9832-HC1	9832-XS1	1410
IBM FlashSystem 720 10TB SLC	9832-HC2	9832-XS2	1410
IBM FlashSystem 820 10TB eMLC	9832-HC3	9832-XE1	1410
IBM FlashSystem 820 20TB eMLC	9832-HC4	9832-XE2	1410
IBM Storwize V3700 LFF Dual Control Enclosure	2072-12C	2072-L2C	1410
IBM Storwize V3700 SFF Dual Control Enclosure	2072-24C	2072-S4C	1410

Table 17 DDN Storage Servers

DDN Storage Servers	MTM	HVEC	RACK
DDN SFA12K-40 InfiniBand Based Singlet Bundle	750-014	750-014	0750
DDN StorageScaler 7000 Disk Enclosure	750-HC5	750-015	0750
DDN SFA10000 Fibre Channel Based Couplet	750-011	750-011	0750

Table 18 Storage Expansion Units and Enclosures

Storage Expansion Units	MTM (XCC)	HVEC	RACK
IBM System Storage EXP3512 Express Storage Expansion Unit	1746-E2A	1746-A2E	1410
IBM System Storage EXP3524 Express Storage Expansion Unit	1746-E4A	1746-A4E	1410
IBM System Storage EXP395 Expansion Unit	1814-92H	1814-92H	1410
IBM System Storage EXP2512 Express Storage Enclosure	1747-HC1	1747-12X	1410
IBM System Storage EXP2524 Express Storage Enclosure	1747-HC2	1747-24X	1410
EXP520 Expansion Unit	1814-52A	1814-52A	1410
IBM Storwize V3700 LFF Expansion Enclosure	2072-12E	2072-L2E	1410
IBM Storwize V3700 SFF Expansion Enclosure	2072-24E	2072S4E	1410
DDN StorageScaler 8460 Disk Enclosure	0750-HCH	0750-026	1410

Table 19 SAN Switches

SAN Switches	MTM	HVEC	RACK
IBM System Storage SAN24B-4 Express	2498-24E	2498B24	1410
IBM System Storage SAN40B-4	2498-40E	2498-B40	1410
IBM System Networking SAN24B-5	2498-X24	2498-24G	1410

Table 20 SAS Switches

SAS Switches	MTM	HVEC	RACK
IBM System Storage SAN24B-4 Express	2498-24E	2498-B24	1410

Cable connectivity

This section provides a list of the supported cables, transceivers and their part numbers.

Table 21 CAT5E Ethernet Cables

CAT5E Ethernet Cables	Option
IntraRack CAT5E Cable Service	02R2271
0.6m Blue CAT5E Cable	40K5679
0.6m Green CAT5E Cable	40K5563
0.6m Yellow CAT5E Cable	40K8933
1.5m Blue CAT5E Cable	40K8785
1.5m Green CAT5E Cable	40K5643
1.5m Yellow CAT5E Cable	40K8951
3m Blue CAT5E Cable	40K5581
3m Green CAT5E Cable	40K5793
3m Yellow CAT5E Cable	40K8957
10m Blue CAT5E Cable	40K8927
10m Green CAT5E Cable	40K5794
10m Yellow CAT5E Cable	40K8801
25m Blue CAT5E Cable	40K8930
25m Green CAT5E Cable	40K8869
25m Yellow CAT5E Cable	40K8807

Table 22 CAT6E Ethernet Cables

CAT6E Ethernet Cables	Option
IntraRack CAT6E Cable Service	90Y3713
10m CAT6 Yellow Cable	90Y3715
10m CAT6 Green Cable	90Y3718
10m CAT6 Blue Cable	90Y3721
25m CAT6 Yellow Cable	90Y3724
25m CAT6 Green Cable	90Y3727
25m CAT6 Blue Cable	90Y3730

Table 23 Optical Cables (Ethernet and/or InfiniBand)

Optical Cables	Option
0.2m LC(female) - SC(male) Fiber Cable	44R8701
3m IBM Optical QDR InfiniBand QSFP Cable	49Y0488
10m IBM Optical QDR InfiniBand QSFP Cable	49Y0491
30m IBM Optical QDR InfiniBand QSFP Cable	49Y0494
3m QLogic Optical QDR InfiniBand QSFP Cable	59Y1920
10m QLogic Optical QDR InfiniBand QSFP Cable	59Y1924
30m QLogic Optical QDR InfiniBand QSFP Cable	59Y1928

Table 22 Copper InfiniBand and/or 10GbE Cables

Copper InfiniBand and/or 10GbE Cables	Option
1m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3810
3m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3814
5m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3818
0.5m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	00W0061
1m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	00W0049
3m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	00W0057
0.5m QLogic Copper QDR InfiniBand QSFP 30AWG Cable	59Y1892
1m QLogic Copper QDR InfiniBand QSFP 30AWG Cable	59Y1896
3m QLogic Copper QDR InfiniBand QSFP 28AWG Cable	59Y1900

Table 23 Optical InfiniBand and/or 10GbE Cables
(continued on page 18)

Optical InfiniBand and/or 10GbE Cables	Option
3m Mellanox QSFP Optical InfiniBand Cable	95Y3463
5m Mellanox QSFP Optical InfiniBand Cable	95Y3467
10m Mellanox QSFP Optical InfiniBand Cable	90Y3822
15m Mellanox QSFP Optical InfiniBand Cable	90Y3826
20m Mellanox QSFP Optical InfiniBand Cable	90Y3830
30m Mellanox QSFP Optical InfiniBand Cable	90Y3838
3m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0069
5m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0073
10m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0077
15m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0081
20m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0085

*Table 24 Optical InfiniBand and/or 10GbE Cables
(continued from page 19)*

Optical InfiniBand and/or 10GbE Cables	Option
30m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0089
50m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0045

Table 25 Direct Attach Copper (DAC) Cables (Ethernet)

DAC Ethernet Cables	Option
0.5m Molex Direct Attach Copper SFP+ Cable	59Y1932
1m Molex Direct Attach Copper SFP+ Cable	59Y1936
3m Molex Direct Attach Copper SFP+ Cable	59Y1940
7m Molex Direct Attach Copper SFP+ Cable	59Y1944
1m Juniper DAC SFP+ Cable	68Y6927
3m Juniper DAC SFP+ Cable	68Y6947
7m Juniper DAC SFP+ Cable	68Y6999

Table 26 Other Networking Cables

Other Networking Cables	Option
3m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9046
10m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9051
30m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9066

Table 27 DAC-SFP+ Cables

DAC- SFP+ Cables	Option
1m IBM Active DAC SFP+ Cable	95Y0323
3m IBM Active DAC SFP+ Cable	95Y0326
5m IBM Active DAC SFP+ Cable	95Y0329
BLADE QSFP+ DAC Break Out Cable, 1 meter	49Y7886
BLADE QSFP+ DAC Break Out Cable, 3 meter	49Y7887
BLADE QSFP+ DAC Break Out Cable, 5 meter	49Y7888

Table 28 SAS Cables

SAS Cables	Option
3m DDN mSAS Cable	00D5211
6m DDN MiniSAS Cables	00W0540
3m DDN HD-MiniSAS Cables	46C9604
6m DDN HD-MiniSAS Cables	00Y7045
1m IBM miniSAS to miniSAS SAS Cable	00D5230
3m IBM miniSAS to miniSAS SAS Cable	00D5234
6m IBM miniSAS to miniSAS SAS Cable	00D5239
0.6m IBM HD-miniSAS to miniSAS SAS Cable	00D5222
1.5m IBM HD-miniSAS to miniSAS SAS Cable	00D5224
3m IBM HD-miniSAS to miniSAS SAS Cable	00D5226
6m IBM HD-miniSAS to miniSAS SAS Cable	00D5228

Table 29 Optical MTM Cables

SAS Cables	Option
10m IBM MTP Optical Cable	90Y3519
30m IBM MTP Optical Cable	90Y3521

Table 30 Transceivers/Other

Transceivers/Other	Option
SFP+ Transceiver 10GbE SR 300m MMF	69Y0389
BLADE 1000BASE-SX SFP Transceiver	81Y1622
IBM 10GbE SW SFP+ Transceiver	49Y8578
Cyclades Serial Cable Adapter for BladeCenter	42D1363
BLADE QSFP+ 40GBASE-SR Transceiver	49Y7884

Rack options

This section provides the supported rack cabinet and a list of the supported keyboard, video and mouse (KVM) switches, front-end power distribution units (PDUs), rack cabinet PDUs and their part numbers.

Table 31 Rack Cabinets

Rack Cabinets	MTM
e1350 42U Rack Cabinet	1410-4RX
e1350 25U Rack Cabinet	1410-2RX
Intelligent Cluster 42U 1200mm Deep Primary Rack ¹	1410-PRA
Intelligent Cluster 42U 1200mm Deep Expansion Rack ²	1410-ERA
IBM 42U 1100 mm Deep Dynamic Rack ³	1410-PRB
IBM 42U 1100 mm Deep Dynamic Expansion Rack ⁴	1410-ERB
DDN 42U Rack for U.S.	750023
DDN 42U Rack for Europe	750024
DDN 42U Rack for Australia	750025
DDN 45U Rack for U.S.	750020
DDN 45U Rack for Europe	750021
DDN 45U Rack for Australia	750022
IBM iDataPlex Water Cooled Rack	7197-RC1

Footnotes:

1. This rack (1410-PRA) is the same rack as 9360-4PX and uses the 9360-4PX FRUs
2. This rack (1410-ERA) is the same rack as 9360-4EX and uses the 9360-4EX FRUs
3. This rack (1410-PRB) is the same rack as 9363-4PX and uses the 9363-4PX FRUs
4. This rack (1410-ERB) is the same rack as 9363-4EX and uses the 9363-4EX FRUs

Table 32 Rack Cabinets Options

Rack Options	MTM
Rear Door Heat eXchanger for 9963 Rack	175642X

Table 33 KVM Switches

KVM Switches	MTM (XCC)
IBM Local 1X8 Console Manager (LCM8)	1754-HC3
IBM Local 2X16 Console Manager (LCM16)	1754-HC4
IBM Global 2X2X16 Console Manager (GCM16)	1754-HC1
IBM Global 4X2X32 Console Manager (GCM32)	1754-HC2

Table 34 Enterprise PDUs for the 1410 Rack

Enterprise PDUs for the 1410 Rack	Option
DPI Three-phase 60A/208V C19 Enterprise PDU (US)	39Y8923
DPI Single-phase 30A/208V C13 Enterprise PDU (US)	39Y8941
DPI Single-phase 30A/250V C13 Enterprise PDU (S Korea)	39Y8941
DPI Single-phase 32A/230V C13 Enterprise PDU (Aus/NZ)	39Y8941
DPI Single-phase 32A/230V C13 Enterprise PDU (International)	39Y8941
DPI Single-phase 60A/208V C13 Enterprise PDU (US)	39Y8941
DPI Single-phase 63A/230V C13 Enterprise PDU (International)	39Y8941
DPI Three-phase 32A/380-415V C13 Enterprise PDU (International)	39Y8941
DPI Single-phase 63A/230V C13 Enterprise PDU (International)	39Y8941
Enterprise C13 PDU Module (WW)	39Y8941
DPI Single-phase 32A/230V C19 Enterprise PDU (Aus/NZ)	39Y8948
DPI Single-phase 30A/208V C19 Enterprise PDU (US)	39Y8948
DPI Single-phase 30A/250V C19 Enterprise PDU (S Korea)	39Y8948
DPI Single-phase 32A/230V C19 Enterprise PDU (International)	39Y8948
DPI Single-phase 63A/230V C19 Enterprise PDU (International)	39Y8948
DPI Three-phase 32A/380-415V C19 Enterprise PDU (International)	39Y8948
DPI C19 Enterprise PDU (WW)	39Y8948
Rack PDUs	MTM
Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph (US)	71763NU
Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph (US)	71763MU
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 30A/208V, EPDU to NEMA L6-30P (US) Line Cord	71762NX
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 60A/208V, EPDU to IEC 309 2P+G (US) Line Cord	71762NX
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 32A/230V, EPDU to IEC 309 P+N+G (non-US) Line Cord	71762NX
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 63A/230V, EPDU to IEC 309 P+N+G (non-US) Line Cord	71762NX
Ultra Density Enterprise PDU Module (WW) with 4.3m, 32A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	71762NX
Ultra Density Enterprise PDU Module (WW) with 4.3m, 32A/230V, EPDU to AS/NZS 3112 (Aus/NZ) Line Cord	71762NX
Ultra Density Enterprise PDU Module (WW) with 4.3m, 30A/250V, EPDU to KSC 8305 (S. Korea) Line Cord	71762NX

Table 35 Rack PDUs for the 1410 Rack

Rack Cabinet PDUs	MTM/Option/FC
DPI Universal Rack PDU w/Nema L5-20P & L6-20P U.S. Line Cord	39Y8951
DPI Universal Rack PDU with GB 2099.1 (China line cord)	39Y8959
DPI Universal Rack PDU with SI32 (Israel line cord)	39Y8954
DPI Universal Rack PDU with 3112 (Australia/New Zealand line cord)	39Y8958
DPI Universal Rack PDU with IRAM 2073 (Argentina line cord)	39Y8962
DPI Universal Rack PDU with CEI 23-16 (Italy line cord)	39Y8955
DPI Universal Rack PDU with SABS 164 (South Africa line cord)	39Y8956
DPI Universal Rack PDU with BS 1363/A (UK line cord)	39Y8957
DPI Universal Rack PDU with IS 6538 (India line cord)	39Y8961
DPI Universal Rack PDU w/Nema L5-20P & L6-20P U.S. Line Cord	39Y8952
DPI Universal Rack PDU (Europe)	39Y8952
DPI Universal Rack PDU with IEC 309 2-pin and ground (Denmark line cord)	39Y8953
DPI Universal Rack PDU with C19/C20	41Y9221
DPI Universal Rack PDU (Japan HV)	5964
DPI Universal Rack PDU (S Korea)	5965
DPI Universal Rack PDU (Taiwan HV)	5967
DPI 100-127V NEMA PDU	39Y8905

Table 36 Rack 7825 Cabinet PDUs

Rack 7825 Cabinet PDUs	Option
iDPx Single-phase 30A/208V Enterprise C13 PDU (US)	43V6061
iDPx Single-phase 30A/208V Enterprise C13 PDU+ (US)	43V6065
iDPx Three-phase 60A/208V Enterprise C13 PDU+ (US)	39M2817
iDPx Three-phase 32A/380-415V Enterprise C13 PDU (Int'l)	43V6062
iDPx Three-phase 32A/380-415V Enterprise C13 PDU+ (Int'l)	43V6066
iDPx Single-phase 32A/230V Enterprise C13 PDU (Aus/NZ)	43V6063
iDPx Single-phase 32A/230V Enterprise C13 PDU+ (Aus/NZ)	43V6067
iDPx Single-phase 30A/250V Enterprise C13 PDU (S Korea)	43V6064
iDPx Single-phase 30A/250V Enterprise C13 PDU+ (S Korea)	43V6068

2. Release Components for 13A

This chapter provides a list of core components supported by IBM Intelligent Cluster and iDataPlex for the current release.

Nodes

This section provides a list of the node types supported by the IBM Intelligent Cluster and iDataPlex solutions.

Table 1 Cluster Nodes

Cluster Nodes	MT	XCC	Rack
IBM System x3690 X5	7147	AC1	1410
IBM System x3750 M4	8722	AC1	1410
IBM System x3850 X5	7143	AC1	1410
IBM System x iDataPlex dx360 M4 ¹	7912	AC1	1410/7825
IBM System x iDataPlex dx360 M4 WWC ¹	7918	AC1	1410/7825
IBM BladeCenter HS23 ²	7875	AC1	1410
IBM BladeCenter HX5 ²	7873	AC1	1410
iDPX 2U Chassis (TianDen)	7913	HC1	1410/7825
IBM System x iDataPlex Direct Water Cooled dx360 M4 2U chassis	7919	HC1	1410/7825

Footnotes:

1. iDataPlex nodes do not install directly into the rack. They are installed into an iDataPlex chassis which is then installed into the rack.
2. The BladeCenter blades do not install directly into the rack. They are installed into a BladeCenter chassis which is installed into the rack.

Table 2 Management Nodes

Management Nodes	MT	XCC	Rack
IBM System x3550 M4	7914	AC1/MC1	1410
IBM System x3630 M4	7158	AC1	1410
IBM System x3650 M4	7915	AC1/MC1	1410

Table 3 BladeCenter Chassis

BladeCenter Chassis	MT	XCC	Rack
IBM BladeCenter (H)	8852	HC1	1410

Table 4 Flex Chassis

IBM Flex Chassis	MT	XCC	Rack
IBM Flex Chassis	8721	HC1	1410

Server Adapters

This section provides a list of the supported server adapters and their part numbers.

Table 5 Storage Adapters for Servers

Storage Adapters for Servers	Option
640GB High IOPS MLC Duo Adapter for IBM System x	81Y4519
640GB High IOPS MLC Adapter for IBM System x	81Y4531
640GB High IOPS SLC Duo Adapter for IBM System x	81Y4539
300GB MLC 34 NM FOR IBM System x	90Y4361
600GB MLC 34 NM FOR IBM System x	90Y4365
800GB MLC 34 NM FOR IBM System x	90Y4369
300GB SLC 34 NM FOR IBM System x	90Y4373
N2125 SAS/SATA HBA for IBM System x	46C9010
N2115 SAS/SATA HBA for IBM System x	46C8988
Broadcom NetXtreme II Dual Port 10GBase-T Adapter for System x	49Y7910
Brocade 8Gb FC Single-port HBA for IBM System x	46M6049
Brocade 8Gb FC Dual-port HBA for IBM System x	46M6050
Brocade 1860 Single-port SFP+ 10GbE Fabric Adapter	00Y7026
Brocade 1860 Dual-port SFP+ 10GbE Fabric Adapter	00Y7006
Brocade 16Gb FC Single-port HBA for IBM System x	81Y1668
Brocade 16Gb FC Dual-port HBA for IBM System x	81Y1675
Emulex 10GbE Integrated Virtual Fabric Adapter for IBM System x	P49Y7944
Emulex Dual Port 10GbE SFP+ Embedded VFA III for IBM System x	90Y6456
Emulex 10 GbE Virtual Fabric Adapter III for IBM System x	95Y3762
Emulex 10 GbE Virtual Fabric Adapter III Lite for IBM System x	95Y3768
IBM x3750 M4 Dual port 10Gb SFP+ Ethernet Adapter Card	88Y7429
IBM 640GB High IOPS SD Class SSD PCIe Adapter	P68Y7388
IBM 1.3TB High IOPS SSD PCIe Adapter	81Y4527
IBM 1.2TB High IOPS MLC Mono Adapter	90Y4377
IBM 2.4TB High IOPS MLC Duo Adapter	90Y4397
LSI SAS9201-16e Quad-port miniSAS x8 PCIe 2.0 SAS HBA	00Y3535
LSI SAS9206-16e Quad-port x4 HD-miniSAS x8 PCIe 3.0 SAS HBA	00Y3539
QLogic 8Gb FC Single-port HBA for IBM System x	42D0501
QLogic 8Gb FC Dual-port HBA for IBM System x	42D0510
QLogic 16Gb FC Single-port HBA for IBM System x	00Y3337
QLogic 16Gb FC Dual-port HBA for IBM System x	00Y3341
Qlogic Dual Port 10GbE SFP+ Embedded VFA for IBM System x	90Y6454

Table 6 Storage Adapters for Servers

Storage Adapters for Servers	Option
ServeRAID M5014 SAS/SATA Controller	46M0916
ServeRAID M5015 SAS/SATA Controller	46M0829
ServeRAID M5025 SAS/SATA Controller	46M0830
ServeRAID M1015 SAS/SATA Controller	46M0831
ServeRAID M5110 SAS/SATA Controller for IBM System x	81Y4481
ServeRAID M1115 SAS/SATA Controller for IBM System x	81Y4448
ServeRAID M5120 SAS/SATA Controller for IBM System x	81Y4478
ServeRAID H1110 SAS/SATA Controller for IBM System x	81Y4492
ServeRAID M5016 SAS/SATA Controller for IBM System x	90Y4304

Table 7 Storage Expansion Cards for BladeCenter

Storage Expansion Cards for BladeCenter	Option/FC
SAS Connectivity Card (CIOv) for IBM BladeCenter	43W4068
Emulex 8Gb Fibre Channel Expansion Card (CIOv) for IBM BladeCenter	46M6140
Qlogic 8Gb Fibre Channel Expansion Card (CIOV) for IBM BladeCenter	44X1945

Table 8 High-speed Communication Adapters for Blade Servers

High-speed Communication Adapters for Blade Servers	Option/FC
10Gb Interposer Card for IBM BladeCenter HS23	94Y8550
2-port 40Gb InfiniBand Expansion Card (CFFh) for IBM BladeCenter	46M6001
Broadcom 10Gb 4-port Ethernet Exp Card (CFFh) FOR IBM BladeCenter	44W4465
Broadcom 10Gb Gen3 2-port Ethernet Exp Cd (CFFh) for IBM BladeCenter	81Y3133
Brocade 2-port 10Gb Converged Network Adapter for IBM BladeCenter	81Y1650
Chelsio T420-BCH Dual-port 10GbE CFFh Expansion Card	46M2245
Emulex Virtual Fabric Adapter 2+2 for IBM BladeCenter HS23 (pNIC & vNIC SKU)	81Y3120
Emulex Virtual Fabric Adapter Advanced 2+2 for IBM BladeCenter HS23 (iSCSI & FCoE SKU)	90Y9332
Emulex 10GbE Virtual Fabric Adapter Advanced II – IBM BladeCenter	90Y3566
Qlogic 2-pt 10Gb Converged Network Adapter (CFFh) for BladeCenter	00Y3280

Table 9 High-speed Communication Adapters for Servers

High-speed Communication Adapters for Servers	Option
Chelsio T420-CR Dual-port (SFP+) 10GbE PCI-E 2.0 Adapter	46M2237
Chelsio T440-CR Quad-port (SFP+) 10GbE PCI-E 2.0 Adapter	46M2241
Chelsio T420-SO-CR Dual-port (SFP+) 10GbE PCI-E 2.0 Adapter	81Y8021
Mellanox Connect-IB Dual Port QSFP FDR IB HCA	46W0571
Mellanox ConnectX-3 VPI Single-port QSFP QDR/FDR10/10GbE HCA	95Y3451
Mellanox ConnectX-3 VPI Dual-port QSFP QDR/FDR10/10GbE HCA	95Y3455
Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	95Y3459
Mellanox ConnectX-3 Dual Port QDR/FDR10 Mezz Card	90Y6338
Mellanox ConnectX-3 Dual Port FDR14 Mezz Card	00D4143
Mellanox ConnectX-3 VPI Single-port QSFP FDR14/40GbE HCA	00W0037
Mellanox ConnectX-3 VPI Dual-port QSFP FDR14/40GbE HCA	00W0041
Mellanox ConnectX-3 EN Dual-port SFP+ 10GbE Adapter	00W0053
Mellanox ConnectX-3 Dual Port QDR/FDR10 Mezz Card (water cooled)	P94Y6760
QLogic QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	59Y1888
Solarflare SFN5162F MR Dual Port 10GbE SFP+ Adapter for IBM System x	47C9952
Solarflare SFN6122F LL Dual Port 10GbE SFP+ Adapter for IBM System x	47C9960

BladeCenter I/O modules

This section provides a list of the supported BladeCenter input/output (I/O) modules and their part numbers.

Table 10 Storage Modules for BladeCenter

Storage Modules for BladeCenter	Option
Brocade 10-port 8Gb SAN Switch Module for IBM BladeCenter	44X1921
Brocade 20-port 8Gb SAN Switch Module for IBM BladeCenter	44X1920
IBM BladeCenter SAS Connectivity Module	39Y9195
QLogic 20-port 4/8 Gb SAN Switch Module for IBM BladeCenter	88Y6406
QLogic 4/8 Gb Intelligent Pass-thru Module for IBM BladeCenter	88Y6410

Table 11 Network Modules for BladeCenter

Network Modules for BladeCenter	Option
10GB Ethernet Pass-Thru Module for IBM BladeCenter	46M6181
BNT 10-port 10GB Ethernet Switch Module for IBM BladeCenter	46C7191
BNT Layer 2/3 Copper Gb Ethernet Switch Module for IBM BladeCenter	32R1860
BNT 1/10Gb Uplink Ethernet Switch Module for IBM BladeCenter	44W4404
Brocade FCoE Switch Module for IBM BladeCenter	69Y1909
Intelligent Copper Pass-thru Module for IBM BladeCenter	44W4483
Cisco Catalyst Switch Module 3110X for IBM BladeCenter	00Y3250
Cisco Catalyst Switch Module 31110G for IBM BladeCenter	00Y3254
Cisco Catalyst Switch Module 3012 for IBM BladeCenter	46C9272
Cisco Nexus 40011 Switch Module for IBM BladeCenter	46C9270
Intelligent Copper Pass-thru Module for IBM BladeCenter	44W4483
QLogic Virtual Fabric Extension Module for IBM BladeCenter	46M6172
QLogic 20-port 4/8 Gb SAN Switch Module for IBM BladeCenter	88Y6406
QLogic 4/8 Gb Intelligent Pass-thru Module for IBM BladeCenter	88Y6410
Server Connectivity Module for BladeCenter	39Y9324
Voltaire 40Gb InfiniBand Switch Module for IBM BladeCenter	46M6005

OEM switches, switch options and other devices

This section provides a list of the supported OEM switches, switch enclosures, line cards and additional options, a patch panel, terminal servers and their part numbers.

Table 12 Brocade Switches and components of the switches

Brocade Switches	MTM/Option	XCC	Rack
Brocade ICX 6610 Switch (PSE)	0563-042	0563-HD4	1410
Brocade ICX 6610 Switch (oPSE)	0563-043	0563-HD5	iDPx
Brocade VDX 6720-24 Switch (PSE)	0563-030	0563-HCQ	1410
Brocade VDX 6720-24 Switch (oPSE)	0563-031	0563-HCR	iDPx
Brocade VDX 6720-60 Switch (PSE)	0563-032	0563-HCS	1410
Brocade VDX 6720-60 Switch (oPSE)	0563-033	0563-HCT	iDPx
Brocade MLXe-8 Switch	0563-034	0563-HCU	-
Brocade MLXe-16 Switch	0563-035	0563-HCV	-
Brocade MLXe/MLX/XMR 16/8-Slot Hi-Speed Fabric Module	0563-040	0563-HD2/HCU/HCV	-
Brocade MLX 8-port SFP+ 10GbE (D) Module	0563-037	0563-HCX/HCU/HCV	-
Brocade MLX 48-port MRJ21 1GbE Module	0563-038	0563-HCY/HCU/HCV	-
Brocade MLXe/MLX RJ45 24-port 1GbE (ML) Module	0563-041	0563-HCY/HCU/HCV	-
Brocade MLXe 24-port SFP+ 10GbE (DM) Module	0563-044	0563-HD6	-
Brocade XIB-R000291-X Enterprise Rack Mount Kit	00W0548	0563-HCN	-
Brocade MLXe-8 Enterprise Rack Mount Kit	00W0530	0563-HCU	-
Brocade MLXe-16 Enterprise Rack Mount Kit	00W0532	0563-HCV	-
Brocade ICX6610-RMK Enterprise Rack Mount Kit	00Y7018	0563-HD4	-
Brocade ICX6610 iDPx Rack Mount Kit	00Y7022	0563-HD5	-
Brocade RPS15-I 250w Power Supply (PSE)	00Y7010	0563-HD4	-
Brocade RPS15-I 250w Power Supply (oPSE)	00Y7012	0563-HD5	-
Brocade ICX6610-FAN-I Fan Module (PSE)	00Y7014	0563-HD4	-
Brocade ICX6610-FAN-E Fan Module (oPSE)	00Y7016	0563-HD5	-

Table 13 LG-Ericsson (SMC) Switches and components of the switches

LG-Ericsson (SMC) Switches	MTM/Option	XCC	Rack
LG-E ES-4052G 1GbE Switch (PSE)	4668-023	4668-HCA	1410
LG-E ES-4052G 1GbE Switch (oPSE)	4668-024	4668-HCC	iDPx
LG-E 215w ES-4K Intake Power Supply	46C9538	4668-HCA	-
LG-E 215w ES-4K Exhaust Power Supply	90Y7738	4668-HCC	-

Table 14 LSI Switches component of the switch

LSI Switches	MTM/Option	XCC	Rack
LSI SAS6160 SAS Switch (PSE)	0778-011	0788-HC1	1410
LSI SAS6160 1U Mounting Tray Kit	00W0458	0778-HC1	1410

Table 15 Mellanox Ethernet Switches and components of the switches

Mellanox Switches	MTM/Option	XCC	Rack
Mellanox SX6036 FDR14 InfiniBand Switch (PSE)	0724-022	0724-HCF	1410
Mellanox SX6036 FDR14 InfiniBand Switch (oPSE)	0724-023	0724-HCG	iDPx
Mellanox SX6512 FDR14 InfiniBand Switch	0724-024	0724-HCH	1410
Mellanox SX6518 FDR14 InfiniBand Switch	0724-030	0724-HCP	1410
Mellanox SX6536 FDR14 InfiniBand Switch	0724-025	0724-HCJ	1410
Mellanox SX1036 40GbE Switch (PSE)	0724-026	0724-HCK	1410
Mellanox SX1036 40GbE Switch (oPSE)	0724-027	0724-HCL	iDPx
Mellanox SX65xx 18-port QSFP FDR14 InfiniBand Leaf Module	0724-028	0724-HCM/ HCH/HCJ	1410
Mellanox SX65xx FDR14 Spine Module	0724-029	0724- HCN/HCH/HCJ	1410
Mellanox SX65xx PPC460-based Management Module	90Y3804	0724- HCH/HCJ/HCP	-
Mellanox IS5xxx PPC460EX Management Module	81Y1525	0724-HC5/ HC6/HC7/HC8	-
Mellanox IS5xxx 18-port QSFP QDR IB Leaf Module	81Y1527	0724-HC5/ HC6/HC7/HC8	-
Mellanox MSX60xx/MSX10xx 300w Power Supply with Intake Fan	90Y3800	0724-HCF	-
Mellanox MSX60xx/MSX10xx 300w Power Supply with Exhaust Fan	90Y3802	0724-HCG	-

External storage

This section provides a list of the supported storage servers, storage expansion units, storage switches and their part numbers.

Table 16 Storage Servers

Storage Servers	MTM	Rack
DS5100 Storage Controller	181851A	1410
DS5300 Storage Controller	181853A	1410
DS5020 Midrange Disk (Dual controllers)	181420A	1410
IBM GNRx JBOD Model 1 (58x2TB HDD)	0796011	1410
IBM GNRx JBOD Model 2 (58x2TB HDD+2x200GB SSD)	0796012	1410
IBM GNRx JBOD Model 3 (58x2TB HDD)	0796013	1410
IBM GNRx JBOD Model 4 (58x2TB HDD+2x200GB SSD)	0796014	1410
IBM System Storage DS3950 Model 94	181494H	1410
IBM System Storage DS3950 Model 98	181498H	1410
IBM System Storage DS3512 Express Single Controller Storage System	1746A2S	1410
IBM System Storage DS3512 Express Dual Controller Storage System	1746A2D	1410
IBM System Storage DS3524 Express Single Controller Storage System	1746A4S	1410
IBM System Storage DS3524 Express Dual Controller Storage System	1746A4D	1410

Table 17 DDN Storage Servers

DDN Storage Servers	MTM	Rack
DDN SFA12K-40 InfiniBand Based Singlet Bundle	750014	0750
DDN StorageScaler 7000 Disk Enclosure	750015	0750
DDN SFA10000 Fibre Channel Based Couplet	750011	0750

Table 18 Storage Expansion Units and Enclosures

Storage Expansion Units	MTM	Rack
EXP5000 Storage Expansion Unit	1818D1A	1410
IBM System Storage EXP3512 Express Storage Expansion Unit	1746A2E	1410
IBM System Storage EXP3524 Express Storage Expansion Unit	1746A4E	1410
IBM System Storage EXP395 Expansion Unit	181492H	1410
EXP520 Expansion Unit	181452A	1410
IBM System Storage EXP2512 Express Storage Enclosure	174712X	1410
IBM System Storage EXP2524 Express Storage Enclosure	174724X	1410

Table 19 SAN Switches

SAN Switches	MTM	Rack
IBM System Storage SAN24B-4 Express	2498824	1410
IBM System Storage SAN40B-4	2498840	1410

Cable connectivity

This section provides a list of the supported cables, transceivers and their part numbers.

Table 20 CAT5E Ethernet Cables

CAT5E Ethernet Cables	Option
IntraRack CAT5E Cable Service	02R2271
0.6m Blue CAT5E Cable	40K5679
0.6m Green CAT5E Cable	40K5563
0.6m Yellow CAT5E Cable	40K8933
1.5m Blue CAT5E Cable	40K8785
1.5m Green CAT5E Cable	40K5643
1.5m Yellow CAT5E Cable	40K8951
3m Blue CAT5E Cable	40K5581
3m Green CAT5E Cable	40K5793
3m Yellow CAT5E Cable	40K8957
10m Blue CAT5E Cable	40K8927
10m Green CAT5E Cable	40K5794
10m Yellow CAT5E Cable	40K8801
25m Blue CAT5E Cable	40K8930
25m Green CAT5E Cable	40K8869
25m Yellow CAT5E Cable	40K8807

Table 21 CAT6E Ethernet Cables

CAT6E Ethernet Cables	Option
IntraRack CAT6E Cable Service	90Y3713
10m CAT6 Yellow Cable	90Y3715
10m CAT6 Green Cable	90Y3718
10m CAT6 Blue Cable	90Y3721
25m CAT6 Yellow Cable	90Y3724
25m CAT6 Green Cable	90Y3727
25m CAT6 Blue Cable	90Y3730

Table 22 Optical Cables (Ethernet and/or InfiniBand)

Optical Cables	Option
0.2m LC(female) - SC(male) Fiber Cable	44R8701
3m IBM Optical QDR InfiniBand QSFP Cable	49Y0488
10m IBM Optical QDR InfiniBand QSFP Cable	49Y0491
30m IBM Optical QDR InfiniBand QSFP Cable	49Y0494
3m QLogic Optical QDR InfiniBand QSFP Cable	59Y1920
10m QLogic Optical QDR InfiniBand QSFP Cable	59Y1924
30m QLogic Optical QDR InfiniBand QSFP Cable	59Y1928

Table 23 Copper InfiniBand and/or 10GbE Cables

Copper InfiniBand and/or 10GbE Cables	Option
1m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3810
3m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3814
5m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3818
0.5m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	00W0061
1m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	00W0049
3m Mellanox QSFP Passive Copper FDR14 InfiniBand Cable	00W0057
0.5m QLogic Copper QDR InfiniBand QSFP 30AWG Cable	59Y1892
1m QLogic Copper QDR InfiniBand QSFP 30AWG Cable	59Y1896
3m QLogic Copper QDR InfiniBand QSFP 28AWG Cable	59Y1900

Table 24 Optical InfiniBand and/or 10GbE Cables

Optical InfiniBand and/or 10GbE Cables	Option
3m Mellanox QSFP Optical InfiniBand Cable	95Y3463
5m Mellanox QSFP Optical InfiniBand Cable	95Y3467
10m Mellanox QSFP Optical InfiniBand Cable	90Y3822
15m Mellanox QSFP Optical InfiniBand Cable	90Y3826
20m Mellanox QSFP Optical InfiniBand Cable	90Y3830
30m Mellanox QSFP Optical InfiniBand Cable	90Y3838
3m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0069
5m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0073
10m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0077
15m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0081
20m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0085

Table 25 Optical InfiniBand and/or 10GbE Cables

Optical InfiniBand and/or 10GbE Cables	Option
30m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0089
50m Mellanox QSFP Optical FDR14 InfiniBand Cable	00W0045

Table 26 Direct Attach Copper (DAC) Cables (Ethernet)

DAC Ethernet Cables	Option
0.5m Molex Direct Attach Copper SFP+ Cable	59Y1932
1m Molex Direct Attach Copper SFP+ Cable	59Y1936
3m Molex Direct Attach Copper SFP+ Cable	59Y1940
7m Molex Direct Attach Copper SFP+ Cable	59Y1944
1m Juniper DAC SFP+ Cable	68Y6927
3m Juniper DAC SFP+ Cable	68Y6947
7m Juniper DAC SFP+ Cable	68Y6999

Table 27 Other Networking Cables

Other Networking Cables	Option
3m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9046
10m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9051
30m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9066

Table 28 DAC-SFP+ Cables

DAC- SFP+ Cables	Option
1m IBM Active DAC SFP+ Cable	95Y0323
3m IBM Active DAC SFP+ Cable	95Y0326
5m IBM Active DAC SFP+ Cable	95Y0329
BLADE QSFP+ DAC Break Out Cable, 1 meter	49Y7886
BLADE QSFP+ DAC Break Out Cable, 3 meter	49Y7887
BLADE QSFP+ DAC Break Out Cable, 5 meter	49Y7888

Table 29 SAS Cables

SAS Cables	Option
3m DDN mSAS Cable	00D5211
6m DDN MiniSAS Cables	00W0540
3m DDN HD-MiniSAS Cables	46C9604
6m DDN HD-MiniSAS Cables	00Y7045
1m IBM miniSAS to miniSAS SAS Cable	00D5230
3m IBM miniSAS to miniSAS SAS Cable	00D5234
6m IBM miniSAS to miniSAS SAS Cable	00D5239
0.6m IBM HD-miniSAS to miniSAS SAS Cable	00D5222
1.5m IBM HD-miniSAS to miniSAS SAS Cable	00D5224
3m IBM HD-miniSAS to miniSAS SAS Cable	00D5226
6m IBM HD-miniSAS to miniSAS SAS Cable	00D5228

Table 30 Optical MTM Cables

SAS Cables	Option
10m IBM MTP Optical Cable	90Y3519
30m IBM MTP Optical Cable	90Y3521

Table 31 Transceivers/Other

Transceivers/Other	Option
SFP+ Transceiver 10GbE SR 300m MMF	69Y0389
BLADE 1000BASE-T (RJ45) SFP Transceiver	81Y1618
BLADE 1000BASE-SX SFP Transceiver	81Y1622
IBM 10GbE SW SFP+ Transceiver	49Y8578
Cyclades RJ45-to-DB9 Serial Cable Adapter	40K5798
Cyclades Serial Cable Adapter for BladeCenter	42D1363
BLADE QSFP+ 40GBASE-SR Transceiver	49Y7884

Rack options

This section provides the supported rack cabinet and a list of the supported keyboard, video and mouse (KVM) switches, front-end power distribution units (PDUs), rack cabinet PDUs and their part numbers.

Table 32 Rack Cabinets

Rack Cabinets	MTM
e1350 42U Rack Cabinet	1410-4RX
e1350 25U Rack Cabinet	1410-2RX
Intelligent Cluster 42U 1200mm Deep Primary Rack ¹	1410-PRA
Intelligent Cluster 42U 1200mm Deep Expansion Rack ²	1410-ERA
IBM 42U 1100 mm Deep Dynamic Rack ³	1410-PRB
IBM 42U 1100 mm Deep Dynamic Expansion Rack ⁴	1410-ERB
DDN 42U Rack for U.S.	750023
DDN 42U Rack for Europe	750024
DDN 42U Rack for Australia	750025
DDN 45U Rack for U.S.	750020
DDN 45U Rack for Europe	750021
DDN 45U Rack for Australia	750022
IBM iDataPlex Water Cooled Rack	7197-RC1

Footnotes:

5. This rack (1410-PRA) is the same rack as 9360-4PX and uses the 9360-4PX FRUs
6. This rack (1410-ERA) is the same rack as 9360-4EX and uses the 9360-4EX FRUs
7. This rack (1410-PRB) is the same rack as 9363-4PX and uses the 9363-4PX FRUs
8. This rack (1410-ERB) is the same rack as 9363-4EX and uses the 9363-4EX FRUs

Table 33 Rack Cabinets Options

Rack Options	MTM
Rear Door Heat eXchanger for 9963 Rack	175642X

Table 34 KVM Switches

KVM Switches	MTM (XCC)
IBM Local 1X8 Console Manager (LCM8)	1754-HC3
IBM Local 2X16 Console Manager (LCM16)	1754-HC4
IBM Global 2X2X16 Console Manager (GCM16)	1754-HC1
IBM Global 4X2X32 Console Manager (GCM32)	1754-HC2

Table 35 Enterprise PDUs for the 1410 Rack

Enterprise PDUs for the 1410 Rack	Option
DPI Three-phase 60A/208V C19 Enterprise PDU (US)	39Y8923
DPI Single-phase 30A/208V C13 Enterprise PDU (US)	39Y8941
DPI Single-phase 30A/250V C13 Enterprise PDU (S Korea)	39Y8941
DPI Single-phase 32A/230V C13 Enterprise PDU (Aus/NZ)	39Y8941
DPI Single-phase 32A/230V C13 Enterprise PDU (International)	39Y8941
DPI Single-phase 60A/208V C13 Enterprise PDU (US)	39Y8941
DPI Single-phase 63A/230V C13 Enterprise PDU (International)	39Y8941
DPI Three-phase 32A/380-415V C13 Enterprise PDU (International)	39Y8941
DPI Single-phase 63A/230V C13 Enterprise PDU (International)	39Y8941
Enterprise C13 PDU Module (WW)	39Y8941
DPI Single-phase 32A/230V C19 Enterprise PDU (Aus/NZ)	39Y8948
DPI Single-phase 30A/208V C19 Enterprise PDU (US)	39Y8948
DPI Single-phase 30A/250V C19 Enterprise PDU (S Korea)	39Y8948
DPI Single-phase 32A/230V C19 Enterprise PDU (International)	39Y8948
DPI Single-phase 63A/230V C19 Enterprise PDU (International)	39Y8948
DPI Three-phase 32A/380-415V C19 Enterprise PDU (International)	39Y8948
DPI C19 Enterprise PDU (WW)	39Y8948
Rack PDUs	MTM
Ultra Density Enterprise C19/C13 PDU 60A/208V/3ph (US)	71763NU
Ultra Density Enterprise C19/C13 PDU+ 60A/208V/3ph (US)	71763MU
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 30A/208V, EPDU to NEMA L6-30P (US) Line Cord	71762NX
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 60A/208V, EPDU to IEC 309 2P+G (US) Line Cord	71762NX
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 32A/230V, EPDU to IEC 309 P+N+G (non-US) Line Cord	71762NX
Ultra Density Enterprise C19/C13 PDU Module (WW) with 4.3m, 63A/230V, EPDU to IEC 309 P+N+G (non-US) Line Cord	71762NX
Ultra Density Enterprise PDU Module (WW) with 4.3m, 32A/380-415V, EPDU/IEC 309 3P+N+G 3ph wye (non-US) Line Cord	71762NX
Ultra Density Enterprise PDU Module (WW) with 4.3m, 32A/230V, EPDU to AS/NZS 3112 (Aus/NZ) Line Cord	71762NX
Ultra Density Enterprise PDU Module (WW) with 4.3m, 30A/250V, EPDU to KSC 8305 (S. Korea) Line Cord	71762NX

Table 36 Rack PDUs for the 1410 Rack

Rack Cabinet PDUs	MTM/Option/FC
DPI Universal Rack PDU w/Nema L5-20P & L6-20P U.S. Line Cord	39Y8951
DPI Universal Rack PDU with GB 2099.1 (China line cord)	39Y8959
DPI Universal Rack PDU with SI32 (Israel line cord)	39Y8954
DPI Universal Rack PDU with 3112 (Australia/New Zealand line cord)	39Y8958
DPI Universal Rack PDU with IRAM 2073 (Argentina line cord)	39Y8962
DPI Universal Rack PDU with CEI 23-16 (Italy line cord)	39Y8955
DPI Universal Rack PDU with SABS 164 (South Africa line cord)	39Y8956
DPI Universal Rack PDU with BS 1363/A (UK line cord)	39Y8957
DPI Universal Rack PDU with IS 6538 (India line cord)	39Y8961
DPI Universal Rack PDU w/Nema L5-20P & L6-20P U.S. Line Cord	39Y8952
DPI Universal Rack PDU (Europe)	39Y8952
DPI Universal Rack PDU with IEC 309 2-pin and ground (Denmark line cord)	39Y8953
DPI Universal Rack PDU with C19/C20	41Y9221
DPI Universal Rack PDU (Japan HV)	5964
DPI Universal Rack PDU (S Korea)	5965
DPI Universal Rack PDU (Taiwan HV)	5967
DPI 100-127V NEMA PDU	39Y8905

Table 37 Rack 7825 Cabinet PDUs

Rack 7825 Cabinet PDUs	Option
iDPx Single-phase 30A/208V Enterprise C13 PDU (US)	43V6061
iDPx Single-phase 30A/208V Enterprise C13 PDU+ (US)	43V6065
iDPx Three-phase 60A/208V Enterprise C13 PDU+ (US)	39M2817
iDPx Three-phase 32A/380-415V Enterprise C13 PDU (Int'l)	43V6062
iDPx Three-phase 32A/380-415V Enterprise C13 PDU+ (Int'l)	43V6066
iDPx Single-phase 32A/230V Enterprise C13 PDU (Aus/NZ)	43V6063
iDPx Single-phase 32A/230V Enterprise C13 PDU+ (Aus/NZ)	43V6067
iDPx Single-phase 30A/250V Enterprise C13 PDU (S Korea)	43V6064
iDPx Single-phase 30A/250V Enterprise C13 PDU+ (S Korea)	43V6068

Appendix – Field Replaceable Units (FRUs)

This appendix contains a list of the OEM Parts and their corresponding FRU part numbers, along with the release name. In addition, this section also contains Tiers. The Tiers are listed under the Category Level column (please see Legend Table below for Category Level and their descriptions). Listing is arranged alphabetically by vendor name.

For Chassis FRU Replacement Instructions or other documentation, please visit the IBM Support website for Intelligent Cluster Documentation.

<http://www-947.ibm.com/support/entry/portal/documentation>

Legend Table

Category Level	Symbol	Description
Tier 1 CRU	T1	mandatory CRU
Tier 2 CRU	T2	optional CRU
FRU 1	FRU	Requires 2 people and 2 lift tools
FRU 2	FRU 2	Requires 2 people and 1 lift tool
FRU 3	FRU 3	Requires 1 CE ladders, 1 lift tool, 2 people

Table 1 Avocent Service Processor Management Devices

Avocent	FRU	Option	Release	HVEC	XCC	Category Level
Avocent RJ45(m)-To-RJ45(f) Custom Serial Adapter	46M2169	-	Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	-	-	

*Table 2 BLADE Ethernet Switches
(continued on page 36)*

BLADE Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
BNT RackSwitch G8000F 48-port GbE Switch Bundle	-	-	iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- BNT Rack Mount Kit for iDataPlex	46C3427	-	iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7,	0446-014 /016 /018	0446-HC4 / HC6 /	

BLADE Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B		HC8	
- 3m BNT Mini-USB to DB9 Serial Cable	46D0180	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, 8C, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446-013/014/017/018	0446-HC3/H C4 /HC7 / HC8	
- BNT RackSwitch G8000F Chassis	46C3407	-	iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446-014	0446-HC4	
BNT RackSwitch G8000R 48-port GbE Switch Bundle			Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
- BNT Horizontal Rack Mount Kit for 1410	46C3425	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0446-013/015/017	0446-HC3/H C5 /HC7	
- 3m BNT Mini-USB to DB9 Serial Cable	46D0180	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446-013/014/017/018	0446-HC3/H C4 /HC7 / HC8	
- BNT RackSwitch G8000R Chassis	46C3403	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A,	0446-013	0446-HC3	

BLADE Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			9AW, 9B			
BNT RackSwitch G8100F 24-port 10GbE Switch Bundle			iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
- BNT Rack Mount Kit for iDataPlex	46C3427	-	iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446-014 /016 /018	0446-HC4 / HC6 / HC8	
- BNT RackSwitch G8100F Chassis	46C3415	-	iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446-016	0446-HC6	
BNT RackSwitch G8100R 24-port 10GbE Switch Bundle			Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B			
- BNT Horizontal Rack Mount Kit for 1410	46C3425		Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0446-013/015/017	0446-HC3/H C5 /HC7	
- BNT RackSwitch G8100R Chassis	46C3411	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0446-015	0446-HC5	
BLADE G8124F (iDPx) 24-port 10GbE Switch Bundle			9A, 9AW, 9B			
- BNT Rack Mount Kit for iDataPlex	46C3427	-	iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446-014 /016 /018	0446-HC4 / HC6 / HC8	
- 3m BNT Mini-USB to	46D0180	-	Phase.3, iDPX	0446-	0446-	

BLADE Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
DB9 Serial Cable			Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	013/014/ 017/018	HC3/H C4 /HC7 / HC8	
BLADE G8124R 24-port 10GbE Switch Bundle			9A, 9AW, 9B			
- BNT Horizontal Rack Mount Kit for 1410	46C3425	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0446- 013/015/ 017	0446- HC3/H C5 /HC7	
- 3m BNT Mini-USB to DB9 Serial Cable	46D0180	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0446- 013/014/ 017/018	0446- HC3/H C4 /HC7 / HC8	
- BLADE G8124R 24-port 10GbE Chassis	46M2193	-	9A, 9AW, 9B	0446- 017	0446- HC7	
BNT RackSwitch G8000 Dual-port SFP+ XGE Uplink Module	46C3419	46C3417	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0446- 013/014	0446- HC3/H C4	
BNT RackSwitch G8000 Dual-port CX4 XGE Uplink Module	46C3423	46C3421	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7,	0446- 013/014	0446- HC3/H C4	

BLADE Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			June.08, July.08, Sept.08, iDPX.Sep08, iDPX.8Ci, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
BNT SFP+ Transceiver	46C3449	46C3447	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0446- 013/014/ 015/016/ 017/018	0446- HC3/H C4/HC 5/HC6 /HC7/ HC8	
BLADE 1000BASE-SX SFP Transceiver	81Y1624	81Y1622	10A, 10B, 11A, 11B	0446- 013/017/ 018	0446- HC3/H C7/HC 8	

Table 3 Brocade Ethernet Switches

Brocade Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
IBM Ethernet Switch B24X Bundle	-	-	9B	-	-	
- Turbolron 24X-AC Chassis	69Y0303	-	9B	0563- 012	0563- HC5	
- TI-24X Triple Fan Assembly	69Y0305	-	9B	0563- 012	0563- HC5	
- B24X 300w Power Supply	69Y0307	69Y0373	9B	0563- 012	0563- HC5	
IBM Ethernet Switch B50C Bundle	-	-	9B, 10A, 10B	-	-	
- NetIron CES 2048CX-AC Chassis	69Y0290	-	9B, 10A, 10B	0563- 010	0563- HC3	
- B50C 500w Power Supply	69Y0292	69Y0365	9B, 10A, 10B	0563- 010	0563- HC3	
- iDPx Rack Mount Rear Support	69Y0407	-	9B, 10A, 10B	0563- 010	0563- HC3	

Brocade Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
- NI-CES2000 Fan Module	46M2233	-	9B, 10A, 10B	0563-010	0563-HC3	
IBM Ethernet Switch B08R Bundle	-	-	9B, 10A, 10B	-	-	
- BigIron RX-8-AC Switch Chassis	69Y0312	-	9B, 10A, 10B	0563-013	0563-HC6	
- Fan Assembly (8-slot Chassis)	69Y0314	-	9B, 10A, 10B	0563-013	0563-HC6	
- 1200w Power Supply (8/16-slot Chassis)	69Y0320	69Y0447	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Management Module Blank Panel	69Y0322	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Power Supply Blank Panel (8/16-slot Chassis)	69Y0328	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- 1410 Rack Mount Shelf/Duct Kit (8-slot Chassis)	69Y0330	-	9B, 10A, 10B	0563-013	0563-HC6	
- 512MB Mgmt Module (4/8/16-slot Chassis)	69Y0316	69Y0425	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Switch Fabric Module (8/16-slot Chassis)	69Y0318	69Y0429	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Switch Fabric Module (8/16-slot Chassis) Blank Panel	69Y0324	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Line Board Blank Panel	69Y0326	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
IBM Ethernet Switch B16R Bundle	-	-	9B	-	-	
- 1200w Power Supply (8/16-slot Chassis)	69Y0320	69Y0447	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Management Module Blank Panel	69Y0322		9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Power Supply Blank Panel (8/16-slot Chassis)	69Y0328	-	9B, 10A, 10B	-	-	

Brocade Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
- Exhaust Fan Assembly (16-slot Chassis)	69Y0340	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- 1410 Rack Mount kit (16-slot Chassis)	69Y0342	-	9B, 10A, 10B	0563-014	0563-HC7	
- 512MB Mgmt Module (4/8/16-slot Chassis)	69Y0316	69Y0425	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Switch Fabric Module (8/16-slot Chassis)	69Y0318	69Y0429	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Switch Fabric Module (8/16-slot Chassis) Blank Panel	69Y0324	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- Line Board Blank Panel	69Y0326	-	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
- BigIron RX-16-AC Switch Chassis	69Y0336	-	9B, 10A, 10B	0563-014	0563-HC7	
- Intake Fan Assembly (16-slot Chassis)	69Y0338	-	9B, 10A, 10B	0563-014	0563-HC7	
- Cable Management Comb	69Y0367	-	9B, 10A, 10B	0563-014	0563-HC7	
B50C 500w Power Supply	69Y0292	69Y0365	9B, 10A, 10B	0563-010	0563-HC3	
B24X 300w Power Supply	69Y0307	69Y0373	9B	0563-012	0563-HC5	
24-port 1GbE (RJ45) Module	69Y0433	69Y0431	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
48-port 1GbE (MRJ21) Module	69Y0437	-	9B, 10A, 10B	0563-017	0563-HCA	
4-port 10GbE (XFP) Module	69Y0441	-	9B, 10A, 10B	0563-018	0563-HCB	
SFP+ Transceiver 10GbE SR 300m MMF	69Y0391	69Y0389	9B, 10A, 10B	0563-012/013/014/022/023	0563-HC5/H C6/H C7/HCF /HCG	
512MB Mgmt Module (4/8/16-slot Chassis)	69Y0316	69Y0425	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
Switch Fabric Module (8/16-slot Chassis)	69Y0318	69Y0429	9B, 10A, 10B	0563-013/014	0563-HC6/H	

Brocade Switches	Ethernet	FRU	Option	Release	HVEC	XCC	Category Level
						C7	
1200w Power Supply (8/16-slot Chassis)		69Y0320	69Y0447	9B, 10A, 10B	0563-013/014	0563-HC6/H C7	
16-port 10GbE (SFP+) Module		69Y0445	-	9B, 10A, 10B	0563-019	0563-HCC	
XFP Transceiver 850nm MMF (300m)		69Y0379	69Y0377	9B, 10A, 10B	0563-010/013/ 014	0563-HC3/H C6/HC 7	
XFP-to-CX4 Transceiver (15m)		69Y0383	69Y0381	9B, 10A, 10B	0563-010/013/ 014	0563-HC3/H C6/HC 7	
Brocade VA-40FC for 1410 San Switch Bundle	-	-	-	10A, 10B, 11A	-	-	
- Brocade VA-40FC for 1410 Chassis	81Y1437	-	-	10A, 10B, 11A	0563-024	0563-HCH	
- Brocade 1410 Rack Mount Kit, Fixed	81Y1409	-	-	10A, 10B, 11A	0563-024	0563-HCH	
- Brocade VA-40FC 150w PSU/Fan (Intake) Module	81Y1439	-	-	10A, 10B, 11A	0563-024	0563-HCH	
- Brocade 8Gb SW SFP Transceiver	81Y1441	-	-	10A, 10B, 11A	0563-024/025	0563-HCH/ HCJ	
Brocade VA-40FC for iDPx San Switch Bundle				10A, 10B, 11A			
- Brocade iDPx Rack Mount Kit (24")	81Y1422	-	-	10A, 10B, 11A	0563-025	0563-HCJ	
- Brocade VA-40FC for iDPx Chassis	81Y1447	-	-	10A, 10B, 11A	0563-025	0563-HCJ	
- Brocade VA-40FC 150w PSU/Fan (Exhaust) Module	81Y1449	-	-	10A, 10B, 11A	0563-025	0563-HCJ	
Brocade VDX 6710-54 Switch (PSE)	00W0468	0563028	12B		0563-028	0563-HCN	
-Brocade 250w Intake Power Supply with Fans	95Y0569	-	12B		0563-028/030	0563-HCN/ HCQ	
- Console cable (RJ45(M) to to DB9(F))	95Y0579	-	12B		0563-028/029/	0563-HCN/	

Brocade Switches	Ethernet	FRU	Option	Release	HVEC	XCC	Category Level
					030/031/ 032/033	HCP/ HCQ/ HCR/ HCS/ HCT	
- Brocade 2GB USB Drive		95Y0581		12B	0563- 028/029/ 030/031/ 032/033	0563- HCN/ HCP/ HCQ/ HCR/ HCS/ HCT	
Brocade VDX 6710-54 Switch (oPSE) Chassis		00W0472	0563029	12B	0563- 029	0563- HCP	
- Brocade 250w Exhaust Power Supply with Fans		95Y0534	-	12B	0563- 029/031	0563- HCP/ HCR	
- Brocade 6710-54 iDPx Rack Mount Kit		00W0476	-	12B	0563- 029	0563- HCP	
- Brocade VDX 6720-24 Switch (PSE) Chassis		00W0478	0563030	12B	0563- 030	0563- HCQ	
Brocade VDX 6720-24 Switch (oPSE) Chassis		00W0481	0563031	12B	0563- 031	0563- HCR	
Brocade iDPx Rack Mount Kit (24")		81Y1422	-	12B	0563- 031/033	0563- HCR/ HCT	
Brocade VDX 6720-60 Switch (PSE) Chassis		00W0483	0563032	12B	0563- 032	0563- HCS	
Brocade 500w Intake Power Supply		95Y0576	-	12B	0563- 032	0563- HCS	
Brocade 80mm Intake Fan		00W0709	-	12B	0563- 032	0563- HCS	
Brocade VDX 6720-60 Switch (oPSE) Chassis		00W0490	0563033	12B	0563- 033	0563- HCT	
- Brocade 500w Exhaust Power Supply		95Y0578	-	12B	0563- 033	0563- HCT	
- Brocade 80mm Exhaust Fan		00W0711	-	12B	0563- 033	0563- HCT	
Brocade MLXe-8 Switch Chassis		00W0497	0563034	12B	0563- 034	0563- HCU	

Brocade Switches	Ethernet	FRU	Option	Release	HVEC	XCC	Category Level
Brocade MLXe-8 Exhaust Fan		00W0499	-	12B	0563-034	0563-HCU	
Brocade MLXe-8 Air Filter		00W0501	-	12B	0563-034	0563-HCU	
Brocade MLXe/MLX/XMR 16/8-Slot Hi-Speed Fabric Module		00W0431	46C9584	12B	0563-034/035/040	0563-HCU/HCV/HD2	
Brocade MLX Management Module		00W0427	46C9580	12B	0563-034/035	0563-HCU/HCV	
Brocade 1200w PSU for MLX 8/16-Slot Chassis		00W0423	46C9576	12B	0563-034/035	0563-HCU/HCV	
Brocade MLX 16/8-Slot Hi-Speed Fabric Module Blank Panel		00W0505	-	12B	0563-034/035	0563-HCU/HCV	
Brocade MLX Management Module Blank Panel		00W0505	-	12B	0563-034/035	0563-HCU/HCV	
Brocade MLX 8/16-slot Power Supply Blank Panel		00W0505	-	12B	0563-034/035	0563-HCU/HCV	
Brocade MLX Interface Module Blank Panel		00W0505	-	12B	0563-034/035	0563-HCU/HCV	
- Brocade MLXe-16 Switch Chassis		00W0510	0563035	12B	0563-035	0563-HCV	
- - Brocade MLXe-16 Exhaust Fan		00W0512	-	12B	0563-035	0563-HCV	
- - Brocade MLXe-16 Air Filter		00W0514	-	12B	0563-035	0563-HCV	
Brocade MLX 8-port SFP+ 10GbE (D) Module		00W0433	-	12B	0563-037	0563-HCX	
Brocade MLX 48-port MRJ21 1GbE Module		00W0435	-	12B	0563-038	0563-HCY	
Brocade MLXe/MLX RJ45 24-port 1GbE (ML) Module		00W0437	-	12B	0563-041	0563-HD3	
Brocade XIB-R000291-X Enterprise Rack Mount Kit		00W0464	-	12B	0563-028	0563-HCN	
Brocade MLXe-8		00W0503	-	12B	0563-	0563-	

Brocade Switches	Ethernet	FRU	Option	Release	HVEC	XCC	Category Level
Enterprise Rack Mount Kit					034	HCU	
Brocade MLXe-16 Enterprise Rack Mount Kit		00W0516	-	12B	0563- 035	0563- HCV	
Brocade Cable Management Comb		69Y0367	-	12B	0563-	0563-	
Brocade 1410 Rack Mount Kit, Fixed		81Y1409	-	12B	0563-	0563-	
Brocade ICX 6610 Switch (PSE) Chassis		00Y6991	--	12C	0563- 042	0563- HD4	T1
-Brocade RPS15-I 250w Power Supply (PSE)		00Y6993	00Y7010	12C	0563- 042	0563- HD4	T1
-Brocade ICX6610-FAN-I Fan Module (PSE)		00Y6995	00Y7014	12C	0563- 042	0563- HD4	T1
Brocade ICX6610-RMK Enterprise Rack Mount Kit		00Y7020	00Y7018	12C	0563- 042	0563- HD4	
Brocade ICX 6610 Switch (oPSE) Chassis		00Y7000	--	12C	0563- 043	0563- HD5	T1
-Brocade RPS15-I 250w Power Supply (oPSE)		00Y7002	00Y7012	12C	0563- 043	0563- HD5	T1
-Brocade ICX6610-FAN-I Fan Module (oPSE)		00Y7004	00Y7016	12C	0563- 043	0563- HD5	T1
Brocade ICX6610-RMK Enterprise Rack Mount Kit		00Y7024	00Y7022	12C	0563- 043	0563- HD5	
Brocade 1860 Single-port SFP+ 10GbE Fabric Adapter			00Y7026	12C	0563-	0563- HD4/ HD5	
Brocade 1860 Dual-port SFP+ 10GbE Fabric Adapter			00Y7006	12C	0563-	0563- HD4/ HD5	
Brocade MLXe 24-port SFP+ 10GbE (DM) Module		00Y7032	--	12C	0563- 044	0563- HD6	

Table 4 Chelsio

Chelsio Adapters	FRU	Option	Release	HVEC	XCC	Category Level
Chelsio Single-port, CX4, 10GbE, PCI-E x8 Adapter	46M1815	46M1813	Phase.3, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	3331-HC2	
Chelsio 10GbE Expansion Card (CFFh) for IBM BladeCenter	46M1819	46M1817	Phase.3, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	-	3331-HC2	
Chelsio S310E Single-port 10GbE PCI-E 2.0 x8 Adapter	59Y1954	59Y1952	iDPX.Sep08, iDPX.8Ci, 9B, 10A, 10B, 11A	-	3331-HC2	
Chelsio Single-port, SFP+, 10GbE, PCI-E x8 Adapter	46M1811	46M1809	Phase.3, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	3331-HC2	
Chelsio S320E Dual-port 10GbE PCI-E 2.0 x8 Adapter	59Y1958	59Y1956	iDPX.Sep08, iDPX.8Ci, 9B, 10A, 10B, 11A	-	3331-HC2	
Chelsio T420-BCH Dual-port 10GbE CFFh Expansion Card	46M2247	46M2245	11A, 11B, 12A	-		T1

Table 5 Cisco Ethernet Switches

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
Cisco 2960G 48-port Ethernet Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- Cisco Rack Mount Brackets for Compact Switches	44E9058		July.07, Phase.3, August.07, Sept.07, Oct.07,	4670-032/017	4670-HCG/HC3	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Nov.07, Dec.07, iDPX Ph1, iDPXPH1.5, iDPX Ph1.5, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A			
- Cisco 2960G 48-port HPC-E GBM	46D0104	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4670- 032	4670- HCG	
Cisco 3560-E 48-port Ethernet Switch Bundle	-	-	Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B, 10A, 10B	-	-	
- Cisco 3750E/3560E 265w Power Supply	46M1841	-	Phase.3, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4670- 048	4670- HCY	
- Cisco 3750E/3560E Fan Module	46M1843	-	Phase.3, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4670- 048	4670- HCY	
- Cisco 3560-E 48-port Ethernet Switch Chassis	49Y0415	-	Phase.3, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4670- 048	4670- HCY	
- Cisco X2 Twin GbE (SFP) Converter Module	49Y0432	-	Phase.3, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4670- 048	4670- HCY	
Cisco HPC-E 3750G-48TS Ethernet Switch bundle	-	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07,	-	-	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPXPH1.5, iDPX Ph1.5, Jan.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B			
- 3750G HPC-E	40K9126	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPXPH1.5, iDPX Ph1.5, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4670- 017	4670- HC3	
- Cisco StackWise 50CM Stacking Cable	40K9122	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07,	4670- 017/051	4670- HC3/H D2	T1

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Dec.07, iDPX Ph1, iDPXPH1.5, iDPX Ph1.5, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10, 10B, 11A			
Cisco 4900M Ethernet Switch Bundle	-	-	Phase.3, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- Cisco 4900M Switch Chassis	49Y0403	-	Phase.3, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670-045	4670-HCV	
- Cisco 4900M 1000w AC Power Supply	49Y0406	-	Phase.3, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670-045	4670-HCV	
- Cisco 4900M Rack Mount Kit	49Y0409	-	Phase.3, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670-045	4670-HCV	
Cisco 4948 48-port Ethernet Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	-	-	
- Cisco C49xx Front and Rear Rack Mount Brackets	44E9085	-	July.07, Phase.3, August.07, Sept.07, Oct.07,	4670-033	4670-HCH	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Nov.07, Dec.07, iDPX Ph1, iDPXPH1.5, iDPX Ph1.5, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B			
- Cisco 4948 300-Watt AC Power Supply	44E9083	-	July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670- 033	4670- HCH	
- Cisco 4948 48-port Ethernet Switch	46D0109	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B, 10A, 10B	4670- 033	4670- HCH	
Cisco 6509-E Ethernet Switch Enclosure Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B, 10A, 10B	-	-	
- Cisco 6509-E Rack	44R8704	-	July.07, Phase.3,	4670-	4670-	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
Mount Kit			August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	035	HCK	
- Catalyst 6500 6000w AC Power Supply	40K9189	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670-035	4670-HCK	
- Catalyst 6509-E Chassis Fan Tray	41Y4494	-	6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08,	4670-035	4670-HCK	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B			
- Cisco 6509-E Switch Chassis	41Y4486	-	6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670-035	4670-HCK	
Cisco HPC-E Supervisor 720 Bundle	-	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Cisco SUP720 HPC-E GBM	46D0119	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	4670-037	4670-HCM	
Cisco X6148A 48-port GbE Line Card Bundle	-	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	-	-	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
- Cisco X6148A 48-port GbE Line Card Bundle	46D0125	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670-038	4670-HCN	
Cisco HPC-E X6708 DFC3C 8-port 10GbE Line Card Bundle	-	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Cisco X6708 DFC HPC-E GBM	46D0130	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	4670-039	4670-HCP	
Cisco HPC-E X6748 DFC3C 48-port GbE Line Card Bundle	-	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Cisco X6748 DFC HPC-E GBM	46D0140	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	4670-041	4670-HCR	
Cisco X4904 4-port 10GbE Line Card Bundle	-	-	Phase.3, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- Cisco X4904 4-port 10GbE Line Card	46M1835	46M1833	Phase.3, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670-045	4670-HCV	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
Cisco X4908 8-port 10GbE Line Card Bundle	-	-	Phase.3, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- Cisco X4908 8-port 10GbE Line Card	46M1831	46M1829	Phase.3, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670-045	4670-HCV	
Cisco X4920 20-port 1GbE Line Card Bundle	-	-	Phase.3, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- Cisco X4920 20-port 1GbE Line Card	46M1827	46M1825	Phase.3, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670-045	4670-HCV	
Cisco 10GBASE-SR XENPAK Module	40K5597	40K5598	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A,	4670-034/035	4670-HCJ/HCK	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
			10B			
Cisco 1000BASE-SX GBIC Module	40K5601	40K5603	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670-021/016	4670-HC6/H C8	
Cisco 1000BASE-T GBIC Module	40K5605	40K5607	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670-021/016	4670-HC6/H C8	
Cisco 6748 (CFC) Fabric Enabled 48-port Gb	40K8813	40K8914	6A, 6B, Jan.07,	4670-018/034/	4670-HC4/H	

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
Ethernet Line Card			Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B	035	CJ/HC K	
Cisco 1000BASE-SX SFP Module	44E9086	44E9088	July.07, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4670- 017/030/ 032/033/ 034/035/ 048	4670- HC3/H CE/H CG/H CH/H CJ/HC K/HC Y	
Cisco X6716 16-port 10GbE DFC Line Card	46M1839	-	Phase.3, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670- 046	4670- HCW	
- Cisco 4948E Switch (oPSE) Chassis	81Y8170	-	11A, 11B	4670- 050	4670- HD1	
- - Cisco 4948E Exhaust Fan Module	81Y8174		11A	4670- 050	4670- HD1	
- - Cisco C49E 300w Exhaust AC Power Supply'	81Y8172	81Y8185	11A	4670- 050	4670- HD1	T1

Cisco Ethernet Switches	FRU	Option	Release	HVEC	XCC	Category Level
Cisco C3K-X-350w AC Power Supply	81Y8180	81Y8187	11A	4670-051	4670-HD2	T1
Cisco 10GbE (SFP+) Uplink Module	81Y8191	81Y8189	11A, 11B	4670-051	4670-HD2	T1
1m Cisco StackWise Cable	81Y1645	81Y1643	11A, 11B	4670-051	4670-HD2	T1
3m Cisco StackWise Cable	81Y1649	81Y1647	11A, 11B	4670-051	4670-HD2	T1
Cisco 3750-X Switch (oPSE)	81Y8178		11A	4670-051	4670-HD2	T1
Cisco 3K-X Exhaust Fan Module	81Y8182		11A	4670-051	4670-HD2	T1

Table 6 Cyclades Terminal Servers

Cyclades Terminal Servers	FRU	Option	Release	HVEC	XCC	Category Level
Cyclades ACS48 Terminal Server	40K5609	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase 3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0448-011	0448-HC4	
Cyclades Cyclades ACS32 Terminal Server	40K9073	-	6A, 6B, Jan.07, Feb.07,	0448-012	0448-HC3	

Cyclades Terminal Servers	FRU	Option	Release	HVEC	XCC	Category Level
			Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			

Table 7 DDN

DDN Switches	FRU	Option	Release	HVEC	XCC	Category Level
- DDN Fibre Channel Based SFA10000 Storage Controller	95Y3979	-	11B	0750-011	0750-HC1	FRU
- - DDN SFA10000 1865w Power Supply	95Y3981	-	11B	0750-011/012	0750-HC1/H C2	T1
- - DDN SFA10000 Fan Module	95Y3983	-	11B	0750-011/012	0750-HC1/H C2	T1
- - 1TB DDN SATA Disk Module	95Y3985	-	11B	0750-011/012	0750-HC1/H C2	T1
- - DDN 24in Rack Mount Kit	95Y3987	-	11B	0750-011/012	0750-HC1/H C2	FRU
- - 2.5m 10a/250v C13/C14 Rack Power Cable	00D5201	-	11B,12B	0750-011/012/014	0750-HC1/H C2/HC 4	T1
- 1m DDN Ethernet ICL Cable	95P5305	-	11B,12B	0750-011/012/014	0750-HC1/H C2/HC 4	T1
- 1m DDN QSFP Copper QDR InfiniBand ICL Cable	00D5202	-	11B,12B	0750-011/012/014	0750-HC1/H C2/HC 4	T1
- DDN 8Gbps Fibre Channel SFP+ Transceiver	95Y3988	-	11B	0750-011	0750-HC1	T1
- DDN SFA10000 External Battery Backup Unit	95Y3989	-	11B	0750-011/012	0750-HC1/H C2	T1
- - DDN BBU Battery	95Y3991	-	11B	0750-011/012	0750-HC1/H C2	
- - 0.5m USB-A/B Cable	00D5204	-	11B,12B	0750-011/012/014	0750-HC1/H C2/HC 4	T1
- - 2.5m 10a/250v C13/C14 Rack Power Cable	00D5201	-	11B	0750-011/012	0750-HC1/H C2	T1

DDN Switches	FRU	Option	Release	HVEC	XCC	Category Level
- DDN InfiniBand Based SFA10000 Storage Controller	95Y3992	-	11B	0750-012	0750-HC2	FRU
- DDN SS7000 Disk Enclosure Chassis	95Y3993	-	11B	0750-015/018/019	0750-HC5/H C8/H C9	FRU 3
- - DDN SS7000 I/O Module	95Y3995	-	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
- - DDN SS7K 1865w Power Supply	95Y3997	-	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
- - DDN SS7K Adjustable Rail Kit	95Y3999	-	11B	0750-015/018/019	0750-HC5/H C8/H C9	FRU 3
- - DDN SS7K Cable Management Arm Kit	95Y4001	-	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
- - 2.4m 10a/250v C13/C14 Rack Power Cable	00D5206	-	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
- 3m DDN mSAS Cable	95Y4003	-	11B	0750-019	0750-HC9	T1
- DDN 45U Rack	95Y4006		11B	0750-020/021/022	0750-HCA/HCB/HCC	FRU 3
- 45U/42U Rack Tip Plate	45E0806		11B	0750-020/021/022/023/024/025	0750-HCA/HCB/HCC/HCD/HCE/HCF	T2
- 45U Rack Front Door	00D5208		11B	0750-020/021/022	0750-HCA/HCB/HCC	T1

DDN Switches	FRU	Option	Release	HVEC	XCC	Category Level
- DDN Left-side Zero U PDU for U.S.	95P5362		11B	0750-020/023	0750-HCA/HCD	T2
- DDN Right-side Zero U PDU for U.S.	95P6972		11B	0750-020/023	0750-HCA/HCD	T2
- DDN Left-side Zero U PDU for Europe	95P5363		11B	0750-021/024	0750-HCB/HCE	T2
- DDN Right-side Zero U PDU for Europe	95P6973		11B	0750-021/024	0750-HCB? HCE	T2
- DDN Zero U PDU for Australia	95Y4020		11B	0750-022/025	0750-HCC/HCF	T2
- DDN 42U Rack	95Y4005		11B	0750-023/024/025	0750-HCD/HCE/HCF	FRU 3
- 42U Rack Front Door	00D5210		11B	0750-023/024/025	0750-HCD/HCE/HCF	T1
- DDN Rack Baying Kit	95P5359	95Y4013	11B	0750	-	
- DDN Service Ladder	45E0998	90Y3701	11B	0750	-	
1TB SS7000 SATA 3.5" Hard Disk	95Y4007	95Y3511	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
3TB SS7000 SATA 3.5" Hard Disk	95Y4008	95Y3514	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
600GB SS7000 SAS 3.5" Hard Disk	95Y4009	95Y3520	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
200GB SS7000 eMLC Solid State Drive	95Y4010	95Y3526	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1

DDN Switches	FRU	Option	Release	HVEC	XCC	Category Level
400GB SS7000 eMLC Solid State Drive	95Y4011	95Y3529	11B	0750-015/018/019	0750-HC5/H C8/H C9	T1
- 3m DDN mSAS Cable	95Y4003	00D5211	11B	0750	-	T1
1U Rack Filler Plate - 45U Rack	46M7005	-	11B	0750		T1
4U Rack Filler Plate - 45U Rack	46M7006	-	11B	0750		T1
- DDN SFA12K-40 InfiniBand Based Storage Controller	00W0562	0750014	12B	0750-014	0750-HC4	
- - DDN SFA12K 980w Power Supply	00W0564	-	12B	0750-014	0750-HC4	
- - DDN SFA12K Front Fan Module	00W0566	-	12B	0750-014	0750-HC4	
- - DDN SFA12K Rear Fan Module	00W0568	-	12B	0750-014	0750-HC4	
- - DDN SFA12K Non-Volatile Cache Protection Module	00W0570	-	12B	0750-014	0750-HC4	
- - DDN SFA12K Rack Mount Kit	00W0572	-	12B	0750-014	0750-HC4	
- DDN External Battery Backup Unit (EV1550)	00W0576	-	12B	0750-014	0750-HC4	
- - DDN BBU Battery	00W0578	-	12B	0750-014	0750-HC4	
- DDN Metered Automatic Transfer Switch	00W0580	-	12B	0750-014	0750-HC4	
- 3m DB9(M) to DB9(F) Console Cable	95P5306	-	12B	0750-014	0750-HC4	
- 6m DDN miniSAS to miniSAS	00W0542	00W0540	12B	0750-014	0750-HC4	
- 3m DDN HD-miniSAS to miniSAS Cable	46C9606	46C9604	12B	0750-014	0750-HC4	
- 2TB DDN 7.2K RPM 6Gb/s SATA Drive Module	46C9610	46C9608	12B	0750-014	0750-HC4	
- 400GB DDN eMLC Solid State Drive Module	00W0413	00W0411	12B	0750-014	0750-HC4	

DDN Switches	FRU	Option	Release	HVEC	XCC	Category Level
- 6m DDN HD-miniSAS to miniSAS Cable	00Y7047	00Y7045	12C	0750-020, 021, 022, 023, 024, 025	HCA, HCB, HCC, HCD, HCE, HCF	T1

Table 8 Force10 Switches

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
Force10 S2410CP 24-port 10GbE Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Force10 S2410CP 24-port 10GbE Switch	46C4963	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-031	4667-HCJ	
- Force10 S2410CP Rack Mount Kit	46D0182	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-031	4667-HCJ	
Force10 C300 Ethernet Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Force10 C150/C300 Line Card Blank Panel	46C4975	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	
- Force10 C300/C150 Power Module Blank Panel	46C4977	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
- Force10 C300 Ethernet Switch Chassis	46C4967	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032	4667-HCK	
- Force10 C150/C300 1200w Power Supply	46C4973	46C4971	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	
- Force10 C300 Rack Mount Kit w/ Integrated Air Baffle	46C4979	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032	4667-HCK	
- Force10 C150/C300 Switch Fabric and Route Processor Module	46C4985	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
- Force10 C150/C300 RPM Blank Panel	46D0151	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
Force10 C150 Ethernet Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Force10 C150/C300 1200w Power Supply	46C4973	46C4971	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
- Force10 C150/C300 Line Card Blank Panel	46C4975	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	
- Force10 C150 Fan Subsystem	46C4993	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
- Force10 C150 Rack Mount Kit w/ Integrated Air Baffle	46C4995	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
- Force10 C300/C150 Power Module Blank Panel	46C4977	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	
- Force10 C150/C300 Switch Fabric and Route Processor Module	46C4985	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
- Force10 C150 Ethernet Switch Chassis	46C4991	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
- Force10 C150/C300 RPM Blank Panel	46D0151	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
Force10 S50N 48-port Gb Ethernet Switch Bundle	-	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08,	-	-	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
- Force10 S50 Rail Kit	40K5681	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-030	4667-HCH	
- Force10 S50 DB9 serial adapter	40K5683	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08,	4667-030	4667-HCH	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
- Force10 S50N 48-port Gb Ethernet Switch	44R9936	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667- 030	4667- HCH	
Force10 S50N 2-port 10Gb XFP-based Uplink Kit	-	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Force10 10Gb XFP SR Optics Module	40K8731	40K8890	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.1, Phase.2, Phase.3, August.07,	4667- 012/029/ 010/031/ 032/033	4667- HC3/H CF/H CG/H CJ/HC K/HCL	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A,11B			
- Force10 S50N 2-port 10Gb XFP-based Uplink Module	44R9940	44R9938	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667- 030	4667- HCH	
Force10 24Gb Stacking Bundle	-	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Force10 S50N 1-port 24Gb Stacking Module	44R9951	44R9948	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08,	4667- 030	4667- HCH	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
			April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
- Force10 60cm 24Gb Stacking Cable	44R9952	-	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, Feb.08, Mar.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-030	4667-HCH	
Force10 S50N Rack Mount Kit for iDataPlex	46C3439	46C3437	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-030	4667-HCH	
Force10 C300 Fan Subsystem	46C4969	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
Force10 C150/C300 1200w Power Supply	46C4973	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-032/033	4667-HCK/HCL	
Force10 XFP-to-CX4 Transceiver	44R9946	46C5043	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW,	4667-012/029/010/030/031/032/033	4667-HC3/H CF/H CG/H CH/H CJ/HC	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
			9B, 10A, 10B, 11A		K/HCL	
Force10 C150/C300 Switch Fabric and Route Processor Module	46C4985	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-034	4667-HCM	
Force10 10Gb XFP SR Optics Module	40K8731	40K8890	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-012/029/010/031/032/033	4667-HC3/H CF/H CG/H CJ/HC K/HCL	
Force10 S50N 2-port CX4-based 10Gb Uplink Module	44R9944	46C3433	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4667-030	4667-HCH	
Force10 C150/C300 48-port Gb Ethernet Line Card	46C5003	-	Phase.3, June.08, July.08,	4667-035	4667-HCN	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
Force10 C150/C300 4-port 10Gb Ethernet Line Card	46C5007	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4667- 036	4667- HCP	
Force10 C150/C300 8-port 10Gb Ethernet Line Card	46C5011	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B	4667- 037	4667- HCQ	
Force10 S60 48-port GbE Switch Bundle for 1410	-	-	10B, 11A, 11B	-	-	
- Force10 S60 48-port GbE Switch Chassis for 1410	81Y8026	-	10B, 11A	4667- 044	4667- HCX	
- - Force10 S60 225w Power Supply with Intake Fans	81Y8028	81Y8048	10B, 11A	4667- 044	4667- HCX	
- - Force10 S60 Intake Fan Module	81Y8030	-	10B, 11A	4667- 044	4667- HCX	
- Force10 S60 Rack Mount Kit for 1410	81Y8032	-	10B, 11A	4667- 044	4667- HCX	
Force10 S60 48-port GbE Switch Bundle for iDPx	-	-	10B, 11A, 11B	-	-	
- Force10 S60 48-port GbE Switch Chassis for iDPx	81Y8035	-	10B, 11A	4667- 045	4667- HCY	
- - Force10 S60 225w Power Supply with Exhaust Fans	81Y8037	81Y8049	10B, 11A	4667- 045	4667- HCY	
- - Force10 S60 Exhaust Fan Module	81Y8039	-	10B, 11A	4667- 045	4667- HCY	
- Force10 S60 Rack Mount Kit for iDPx	81Y8041	-	10B, 11A	4667- 045	4667- HCY	
Force10 E600i ExaScale Switch Enclosure Bundle	-	-	10A, 10B, 11A, 11B	-	-	
- Force10 Line Card and RPM Blank Panel	40K9093	-	10A, 10B, 11A	4667- 038/039	4667- HCR/	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
					HCS	
- Force10 1GB Compact Flash Memory	40K9013	-	10A, 10B, 11A	4667-038/039	4667-HCR/HCS	
- Force10 E600 2500W/1500W AC Power Supply	40K5778	-	10A, 10B, 11A	4667-038	4667-HCR	
- Force10 E600 Fan Subsystem	40K5780	-	10A, 10B, 11A	4667-038	4667-HCR	
- Force10 E600 Air Filter	40K5784	-	10A, 10B, 11A	4667-038	4667-HCR	
- Force10 E600 Rack Mount Kit	40K5790	-	10A, 10B, 11A	4667-038	4667-HCR	
- Force10 E600i 7-slot chassis	40M3313	-	10A, 10B, 11A	4667-038	4667-HCR	
- Force10 CC-E-SFM3 Switch Fabric Module	40M3315	-	10A, 10B, 11A	4667-038/039	4667-HCR/HCS	
- Force10 ExaScale EH Route Processor Module	69Y0469	-	10A, 10B, 11A	4667-040	4667-HCT	
Force10 E1200i ExaScale Switch Enclosure Bundle	40K8993	-	10A, 10B, 11A	4667-039	4667-HCS	
- Force10 E1200 Vertical Cable Management Kit plus Hood	40K8995	-	10A, 10B, 11A	4667-039	4667-HCS	
- Force10 Line Card and RPM Blank Panel	40K9093	-	10A, 10B, 11A	4667-038/039	4667-HCR/HCS	
- Force10 1GB Compact Flash Memory	40K9013	-	10A, 10B, 11A	4667-038/039	4667-HCR/HCS	
- Force10 CC-E-SFM3 Switch Fabric Module	40M3315	-	10A, 10B, 11A	4667-038/039	4667-HCR/HCS	
- Force10 ExaScale EH Route Processor Module	69Y0469	-	10A, 10B, 11A	4667-040	4667-HCT	
- Force10 E1200i-AC 2800w Power Supply	69Y0485	69Y0483	10A, 10B, 11A	-	-	
- Force10 E1200i Fan Subsystem	69Y0460	-	10A, 10B, 11A	-	-	
- Force10 E1200i Filter	69Y0462	-	10A, 10B, 11A	-	-	
- Force10 E1200i-AC Power Supply Blank Panel	69Y0464	-	10A, 10B, 11A	-	-	
- Force10 E1200i AC	69Y0458	-	10A, 10B,	-	-	

Force10 Switches	FRU	Option	Release	HVEC	XCC	Category Level
Switch Chassis			11A, 11B			
Force10 S60 225w Power Supply with Intake Fans	81Y8028	81Y8048	10B, 11A	4667-044	4667-HCX	
Force10 S60 225w Power Supply with Exhaust Fans	81Y8037	81Y8049	10B, 11A	4667-045	4667-HCY	
Force10 S60 Dual-port 10GbE (SFP+) Uplink Module	81Y8044	81Y8042	10B, 11A	4667-044/045	4667-HCX/HCY	
Force10 S60 Single-port 24Gbps Stacking Kit	-	-	10B, 11A, 11B	-	-	
- Force10 S60 Single-port 24Gbps Stacking Module	81Y8047	81Y8045	10B, 11A	4667-044/045	4667-HCX/HCY	
- Force10 60cm 24Gb Stacking Cable	44R9952	-	10A	4667-044/045	4667-HCX/HCY	
Force10 E1200i-AC 2800w Power Supply	69Y0485	69Y0483	10A, 10B, 11A	4667-039	4667-HCS	
Force10 ExaScale EH Route Processor Module	69Y0469	-	10A, 10B, 11A	4667-040	4667-HCT	
Force10 ExaScale 90-port MRJ21 GbE Line Card	69Y0473	-	10A, 10B, 11A	4667-041	4667-HCU	
Force10 ExaScale 10-port SFP+ 10GbE Line Card	69Y0477	-	10A, 10B, 11A	4667-042	4667-HCV	
Force10 ExaScale 40-port SFP+ 10GbE Line Card	69Y0481	-	10A, 10B, 11A	4667-043	4667-HCW	
Force10 ExaScale 4-port 40GbE Line Card	81Y8099	-	11A	4667-046	4667-HCZ	T1

Table 9 Foxconn

Foxconn	FRU	Option	Release	HVEC	XCC	Category Level
IBM Kitted FRU Bundle for QLogic 12800-360	49Y8529	-	9A, 9AW, 9B, 10A, 10B, 11A	0449-023	0449-HCG	
- Cable Pass-Thru Assembly	46M2228	46M5355	9A, 9AW, 9B, 10A, 10B, 11A	-	3331-HC2	
- Cable Management Bracket	46M2229	-	9A, 9AW, 9B, 10A, 10B, 11A	-	-	
IBM Kitted FRU Bundle for QLogic 12800-180	49Y8503	-	9A, 9AW, 9B, 10A, 10B, 11A	0449-022	0449-HCF	
iDPX Rack Mount Kit for Avocent MergePoint 5300	46C6317	46C3443	IDPX Ph1, iDPX Ph1.5,	-	4369-HC3	

Foxconn	FRU	Option	Release	HVEC	XCC	Category Level
SP Manager			iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
iDataPlex Rack Mount Kit for Cisco 4948-10GE	46C6313	46C5049	Phase.3, IDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4670-031	4670-HCF	
iDataPlex Rack Mount Kit for Console Managers	46M6214	49Y0434	Phase.3, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	1754-HC1/H C2/H C3/H C4	
iDataPlex Rack Mount Kit for Cisco 2960G-24	46C6312	46C3431	Phase.3, IDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	4670-030/032	4670-HCE/H CG	
iDataPlex Rack Mount Kit for Cisco 3750G-48TS	46C6314	44R9978	Phase.3, IDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	4670-017/048	4670-HC3/H CY	
iDataPlex Rack Mount Kit for Cyclades ACS48	46C6315	46D0178	Phase.3, IDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	3331-HC2	
IBM Racked FRU for Mellanox IS5600 Switch	81Y1513	-	10A, 10B, 11A	-	0724-FRU	

Table 10 IBM

IBM	FRU	Option	Release	HVEC	XCC	Category Level
10m Blue CAT5e Cable	40K8969	40K8927	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A,11B			
0.6m Yellow CAT5e Cable	40K8971	40K8933	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
0.6m Green CAT5e Cable	40K8976	40K5563	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase 1, Phase 2, Phase 3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
25m Green CAT5e Cable	40K8980	40K8869	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
0.2m LC(female) - SC(male) Fiber Cable	44R8700	44R8701	Phase.1, Phase.2, Phase.3, Nov.07, Dec.07, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
0.6m Blue CAT5e Cable	40K8966	40K5679	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
1.5m Blue CAT5e Cable	40K8967	40K8785	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A,10B, 11A, 11B, 12A			
3m Blue CAT5e Cable	40K8968	40K5581	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
25m Blue CAT5e Cable	40K8970	40K8930	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
1.5m Yellow CAT5e Cable	40K8972	40K8951	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
3m Yellow CAT5e Cable	40K8973	40K8957	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			10B, 11A, 11B, 12A			
10m Yellow CAT5e Cable	40K8974	40K8801	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
25m Yellow CAT5e Cable	40K8975	40K8807	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
1.5m Green CAT5e Cable	40K8977	40K5643	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
3m Green CAT5e Cable	40K8978	40K5793	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3,			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
			August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
10m Green CAT5e Cable	40K8979	40K5794	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B, 12A			
10m CAT6 Blue Cable	90Y3734	90Y3721	11A, 11B, 12A			
25m CAT6 Blue Cable	90Y3735	90Y3730	11A, 11B, 12A			
3m CAT6 Blue Cable	90Y3732	-	11A, 11B, 12A			

IBM	FRU	Option	Release	HVEC	XCC	Category Level
3m IBM Optical QDR InfiniBand QSFP Cable	49Y0489	49Y0488	10A, 10B, 11A, 11B, 12A			
10m IBM Optical QDR InfiniBand QSFP Cable	49Y0492	49Y0491	10A, 10B, 11A, 11B, 12A			
30m IBM Optical QDR InfiniBand QSFP Cable	49Y0495	49Y0494	10A, 10B, 11A, 11B, 12A			
0.5m IBM QSFP Copper Cable	81Y8091	81Y8090	10B,12B			
1m IBM QSFP Copper Cable	81Y8093	81Y8092	10B,12B			
3m IBM QSFP Copper Cable	81Y8095	81Y8094	10B,12B			
1m IBM QSFP -to- 4-SFP+ Copper cable	81Y8079	81Y8078	10B			
3m IBM QSFP -to- 4-SFP+ Copper cable	81Y8081	81Y8080	10B			
5m IBM QSFP -to- 4-SFP+ Copper cable	81Y8077	81Y8076	10B			
0.5m IBM Direct Attach Copper SFP+ Cable	81Y8083	81Y8082	10B			
1m IBM Direct Attach Copper SFP+ Cable	81Y8085	81Y8084	10B			
3m IBM Direct Attach Copper SFP+ Cable	81Y8087	81Y8086	10B			
7m IBM Direct Attach Copper SFP+ Cable	81Y8089	81Y8088	10B			
IBM 10GbE SW SFP+ Transceiver	49Y8579	49Y8578	10A, 10B, 11A, 11B, 12A			
0.6m IBM HD-miniSAS to miniSAS SAS Cable	00D2142	00D5222	12C			
1.5m IBM HD-miniSAS to miniSAS SAS Cable	00D2144	00D5224	12C			
3m IBM HD-miniSAS to miniSAS SAS Cable	00D2148	00D5226	12C			
6m IBM HD-miniSAS to miniSAS SAS Cable	44X3322	00D5228	12C			
1m IBM miniSAS to miniSAS SAS Cable	00J6237	00D5230	12C			
3m IBM miniSAS to miniSAS SAS Cable	00J6238	00D5234	12C			
6m IBM miniSAS to miniSAS SAS Cable	00J6239	00D5239	12C			

Table 11 IBM-NETAPP

IBM-NETAPP	FRU	Option	Release	HVEC	XCC	Category Level
NetApp DE6600 Chassis (GNRx JBOD Models 1, 2, 3, 4)	00D1655	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	FRU – 2 people
--NetApp DE6600 Fan Assembly	90Y8598	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
--NetApp DE6600 1755w Power Supply	90Y8593	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
- - - NetApp DE6600 Drive Drawer	90Y8594	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
- - - NetApp SAS ESM	00D1657	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
- - NetApp DE6600 Rack Mount Kit	59Y5414	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	FRU – 2 people
- NetApp DE6600 Right Rear Mounting Bracket and Left Rear Mounting Bracket	46W0474	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
- - NetApp DE6600 Blank Bezel	00D1659	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
- - 3.5" Drive Carrier	46W0476	--	12C	0796-011, 012, 013, 014	0796-HC1/ HC2/ HC3/ HC4	T1
- - - Chassis Handle	59Y5526	--	12C	0796-011, 012, 013,	0796-HC1/ HC2/	T1

IBM-NETAPP	FRU	Option	Release	HVEC	XCC	Category Level
				014	HC3/ HC4	
- IBM 2TB SAS HDD Assembly	90Y8597	--	12C	0796-011, 012	0796- HC1/ HC2	
- IBM 3TB SAS HDD Assembly	90Y8732	--	12C	0796-013, 014	0796- HC3/ HC4	
-IBM 200GB Solid State Drive and Carrier GBM (Storage released)	90Y8704	--	12C	0796-012, 014	0796- HC2/ HC4	

Table 12 Intel

Intel	FRU	Option	Release	HVEC	XCC	Category Level
30m Emcore Connects/Intel Connects Optical Cable [Fallback Cable]	46D0160	46D0159	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
10m Emcore Connects/Intel Connects Optical Cable	46D0157	46D0156	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
3m Emcore Connects/Intel Connects Optical Cable	46D0154	46D0153	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			

Table 13 Juniper

Juniper	FRU	Option	Release	HVEC	XCC	Category Level
- J08E (EX8208) Switch Chassis	81Y1559	-	10B, 11A	0719-012	0719-HC4	
- EX8208 Fan Tray (12 fans)	81Y1561	-	10B, 11A	0719-012	0719-HC4	
- EX8208 Switch Fabric Module	81Y1563	-	110B, 11A	0719-012	0719-HC4	
- EX8208 Switch and Routing Engine	81Y1565	-	10B, 11A	0719-012	0719-HC4	
- EX8200 2000w Power Supply	81Y1469	-	10B, 11A	0719-012	0719-HC4	
- EX8208 Rack Mount Kit	81Y1626	-	10B, 11A	0719-012	0719-HC4	
- EX8200 Line Card Blank Panel	81Y1571	-	10B, 11A	0719-012/013	0719-HC4/H C5	
- J16E (EX8216) Switch Chassis	81Y1575	-	10B, 11A	0719-013	0719-HC5	
- EX8216 Fan Tray	81Y1577	-	10B, 11A	0719-013	0719-HC5	
- EX8216 Switch Fabric Module	81Y1579	-	10B, 11A	0719-013	0719-HC5	
- EX8216 Routing Engine	81Y1581	-	10B, 11A	0719-013	0719-HC5	
- EX8200 3000w Power Supply	81Y1567	-	10B, 11A	0719-013	0719-HC5	
- EX8216 Rack Mount Kit	81Y1628	-	10B, 11A	0719-013	0719-HC5	
- EX8200 Line Card Blank Panel	81Y1571	-	10B, 11A	0719-012/013	0719-HC4/H C5	
IBM J48E Rack Mount for iDPx Rack	81Y1553	81Y1463	10B, 11A	-	-	
- IBM J08E Air Baffle Hardware Kit for 1410	81Y1569	81Y1632	10B, 11A	0719-012	0719-HC4	
- IBM J16E Air Baffle Hardware Kit for 1410	81Y1583	81Y1634	10B, 11A	0719-013	0719-HC5	
48-port 1GbE RJ-45 Line Card	81Y1595	-	10B, 11A, 11B	0719-014	0719-HC6	
8-port 10 GbE SFP+ line card	81Y1599	-	10B, 11A, 11B	0719-015	0719-HC7	

Juniper	FRU	Option	Release	HVEC	XCC	Category Level
1m Juniper DAC SFP+ Cable	68Y6929	68Y6927	10B, 11A, 11B	0719-012/013	0719-HC4/H C5	
3m Juniper DAC SFP+ Cable	68Y6949	68Y6947	10B, 11A, 11B	0719-012/013	0719-HC4/H C5	
7m Juniper DAC SFP+ Cable	59Y1974	68Y6999	10B, 11A, 11B	0719-012/013	0719-HC4/H C5	
Juniper SFP+ SR 10GbE Transceiver	68Y6925	68Y6923	10B, 11A, 11B	0719-012/013	0719-HC4/H C5	
EX4500 1200W AC power supply (front to back airflow)		95Y0514	13A	0719-	0719-HD3	

Table 14 LSI

LSI	FRU	Option	Release	HVEC	XCC	Category Level
LSI SAS6160 SAS Switch (PSE)	00W0446	-	12B	0778-011	0778-HC1	
- LSI SAS6160 SAS Switch (PSE) Chassis	00W0446	-	12B	0778-011	0778-HC1	
- LSI SAS6160 Power Supply with 1.8m C5/C14 Rack Power Cable	00W0448	-	12B	0778-011	0778-HC1	
- LSI SAS6160 1U Mounting Tray Kit	00W0460	-	12B	0778-011	0778-HC1	
LSI SAS6160 SAS Switch (PSE) Chassis FRU Kit	00W0446	-	12B	0778-011	0778-HC1	
- LSI SAS6160 Power Supply with 1.8m C5/C14 Rack Power Cable FRU Kit	00W0448	-	12B	0778-011	0778-HC1	
LSI SAS9201-16e Quad-port miniSAS x8 PCIe 2.0 SAS HBA	00Y3537	-	12C	0778-011	0778-HC1	T1
LSI SAS9206-16e Quad-port x4 HD-miniSAS x8 PCIe 3.0 SAS HBA	00Y3541	-	12C	0778-011	0778-HC1	T1

Table 15 Maysteel

Maysteel	FRU	Option	Release	HVEC	XCC	Category Level
Cisco 6509-E Air Baffle	40M3317	42D1465	6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4670-035	4670-HCK	
1U Universal Rack Mount Kit	42C8313	42C8310	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.0, Phase.1, Phase.2, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C,	0448-011/012	0448-HC3/H C4	

Maysteel	FRU	Option	Release	HVEC	XCC	Category Level
			8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			

Table 16 Mellanox

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
- Mellanox 450w Power Supply (Intake)	81Y1475	81Y1521	10A, 10B, 11A, 11B	0724-010/019	0724-HC3/HCC	T1
- Mellanox IS5030 for 1410 Switch Chassis	81Y1473	-	10A, 10B, 11A	0724-010	0724-HC3	
- MIS50xx Fan Module (Intake)	81Y1477	-	10A, 10B, 11A	0724-010/019	0724-HC3/HCC	T1
- 1410 Rack Mount Kit for 1U switches	81Y1479	-	10A, 10B, 11A	0724-010/019	0724-HC3/HCC	T1
- Mellanox IS5030 for iDPx Switch Chassis	81Y1483	-	10A, 10B, 11A	0724-011	0724-HC4	
- IS50xx Fan Module (Exhaust)	81Y1487	-	10A, 10B, 11A	0724-011	0724-HC4	
- iDPx Rack Mount Kit for 1U switches	81Y1489	-	10A, 10B, 11A	0724-011	0724-HC4	
- Mellanox IS5100 for 1410 Switch Chassis	81Y8052	-	10A, 10B, 11A	0724-014	0724-HC7	
- Mellanox IS5100 1410 Rack Mount Kit	81Y8054	-	10B, 11A	0724-014	0724-HC7	
- Mellanox IS5100 Cable Management Kit	81Y8073	-	10B, 11A	0724-014	0724-HC7	
- Mellanox IS5200 for 1410 Switch Chassis	81Y1493	-	10A, 10B, 11A	0724-012	0724-HC5	
- Mellanox IS5xxx Spine Module	81Y1495	-	10A, 10B, 11A	0724-012/013/014/015	0724-HC5/H C6/H C7/H C8	
- Mellanox IS5100 Spine-side Leaf Fan Unit	81Y1501	-	10A, 10B, 11A, 12B	0724-012/014/024	0724-HC5 / HC7/H CH	
- Mellanox IS5xxx 1000w	81Y1503	-	10A, 10B,	0724-	0724-	T1

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
Power Supply			11A, 11B	012/013/ 014/015, 018	HC5/H C6/HC 7/HC8 /HCB	
- Mellanox IS5xxx Management Module Blank	81Y1505	-	10A, 10B, 11A, 11B,12B	0724- 012/013/ 014/015/ 018/024/ 025	0724- HC5/H C6/HC 7/HC8 /HCB/ HCH/ HCJ	T1
- Mellanox IS5xxx Leaf Module Blank	81Y1505	-	10A, 10B, 11A, 11B,12B	0724- 012/013/ 014/015/ 018/024/ 025	0724- HC5/H C6/HC 7/HC8 /HCB/ HCH/ HCJ	T1
- Mellanox IS5200 1410 Rack Mount Kit	81Y1509	-	10A, 10B, 11A, 11B,12B	0724- 012/024	0724- HC5/H CH	
- Mellanox Cable Management Kit 1	81Y1613	-	10A, 10B, 11A, 11B,12B	0724- 012/024	0724- HC5/H CH	
- Mellanox IS5300 for 1410 Switch Chassis	81Y8057	-	10B, 11A, 11B	0724- 015	0724- HC8	
- Mellanox IS5300 1410 Rack Mount Kit	81Y8059	-	10B, 11A, 11B	0724- 015	0724- HC8	
- Mellanox IS5300 Cable Management Kit	81Y8075	-	10B, 11A, 11B	0724- 015	0724- HC8	
- Mellanox MIS5X00 Spine Fan Unit	81Y1499	-	10A, 10B, 11A	0724- 012/013/ 014/015	0724- HC5/H C6/HC 7/HC8	
- Mellanox IS5600 Leaf- side Leaf Fan Unit	81Y1515	-	10A, 10B, 11A, 11B,12B	0724- 013/015, 018/025	0724- HC6/H C8, HCB/ HCJ	T1
- Mellanox IS5600 Spine- side Leaf Fan Unit	81Y1517	-	10A, 10B, 11A, 11B,12B	0724- 013/015, 018/025	0724- HC6/H C8,HC B/HCJ	T1
- Mellanox Cable Management Kit 2	81Y1615	-	10A, 10B, 11A, 11B,12B	0724- 013/018/ 025	0724- HC6/H CB/H	T1

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
					CJ	
Mellanox 450w Power Supply (Intake)	81Y1475	81Y1521	10A, 10B, 11A, 11B	0724-010	0724-HC3	T1
Mellanox ConnectX-2 VPI Single-port QSFP QDR IB/10GbE PCI-E 2.0 HCA	81Y1533	81Y1531	10A, 10B, 11A			
Mellanox ConnectX-2 VPI Dual-port QSFP QDR IB/10GbE PCI-E 2.0 HCA	81Y1537	81Y1535	10A, 10B, 11A			
Mellanox ConnectX-2 VPI Dual-port QSFP QDR IB/10GbE PCI-E 2.0 HCA	81Y1537	81Y1535	10A, 10B, 11A			
Mellanox ConnectX-2 EN Dual-port SFP+ 10GbE PCI-E 2.0 Adapter	81Y1541	81Y1539	10A, 10B			
- Mellanox SX6036 QDR/FDR10 Switch Chassis (PSE)	90Y3768	-	11B	0724-016	0724-HC9	T1
- - Mellanox MSX60xx/MSX10xx 300w Power Supply with Intake Fan	90Y3770	90Y3800	11B,12B	0724-016/022/026	0724-HC9/H CF/H CK	T1
- - Mellanox MSX60xx/MSX10xx Intake Fan Tray	90Y3772	-	11B,12B	0724-016/022/026	0724-HC9/H CF/H CK	T1
- Mellanox MSX60xx/MSX10xx Enterprise Rack Mount Kit	90Y3774	-	11B,12B	0724-016/022/026	0724-HC9/H CF/H CK	T1
- Mellanox SX6036 QDR/FDR10 Switch Chassis (oPSE)	90Y3778	-	11B	0724-017	0724-HCA	T1
- - Mellanox MSX60xx/MSX10xx 300w Power Supply with Exhaust Fan	90Y3780	90Y3802	11B,12B	0724-017/023/027	0724-HCA/HCG/HCL	T1
- - Mellanox MSX60xx/MSX10xx Exhaust Fan Tray	90Y3782	-	11B,12B	0724-017/023/027	0724-HCA/HCG/HCL	T1
- Mellanox	90Y3784	-	11B,12B	0724-	0724-	T1

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
MSX60xx/MSX10xx iDPx Rack Mount Kit				017/023/027	HCA/HCG/HCL	
- Mellanox SX6536 QDR/FDR10 Switch Chassis	90Y3788		11B	0724-018	0724-HCB	FRU
- Mellanox IS5600 1410 Rack Mount Kit	81Y1519	-	11B,12B	0724-018/025	0724-HCB/H CJ	FRU 2
- Mellanox BridgeX BX5020 Gateway (PSE) Chassis	90Y3798	-	11B	0724-019	0724-HCC	FRU
Mellanox MSX60xx/MSX10xx 300w Power Supply with Intake Fan	90Y3770	90Y3800	11B	0724-16	0724-HC9	T1
Mellanox MSX60xx/MSX10xx 300w Power Supply with Exhaust Fan	90Y3780	90Y3802	11B	0724-17	0724-HCA	T1
Mellanox SX65xx PPC460-based Management Module	90Y3792	90Y3804	11B, 12C	0724-18	0724-HCB/HCP	T1
- Mellanox SX65xx QDR/FDR10 Spine Module	90Y3790	-	11B	0724-020	0724-HCD	T1
- - Mellanox SX65XX Spine Fan Unit	90Y3794	-	11B,12B	0724-020/029	0724-HCD/H CN	T1
- Mellanox SX65xx 18-port QSFP QDR/FDR10 InfiniBand Leaf Module	90Y3808	-	11B	0724-021	0724-HCE	T1
Mellanox ConnectX-3 VPI Single-port QSFP QDR/FDR10/10GbE HCA	95Y3453	95Y3451	11B, 12A	-	-	T1
Mellanox ConnectX-3 VPI Dual-port QSFP QDR/FDR10/10GbE HCA	95Y3457	95Y3455	11B, 12A	-	-	T1
Mellanox ConnectX-3 EN Dual-port QSFP+ 40GbE Adapter	95Y3461	95Y3459	11B, 12A	-	-	T1
- Mellanox QSA Adapter (QSFP to SFP+)	90Y3844	90Y3842	11B, 12A	-	-	T1

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
Mellanox ConnectX Dual-Port 4X DDR IB PCI-E 2.0 x8 5.0/GT/s HCA	46M2221	44R8728	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B			
1m Mellanox Copper Cable for 4X IB and 10GbE	46D0164	46D0162	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B			
5m Mellanox Copper Cable for 4X IB and 10GbE	46D0172	46D0170	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B			
3m Mellanox Copper Cable for 4X IB and 10GbE	46D0168	46D0166	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B			

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
8m Mellanox Copper Cable for 4X IB and 10GbE	46D0176	46D0174	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B			
1m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3812	90Y3810	11B, 12A	-	-	T1
3m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3816	90Y3814	11B, 12A	-	-	T1
5m Mellanox QSFP Passive Copper InfiniBand Cable	90Y3820	90Y3818	11B, 12A	-	-	T1
3m Mellanox QSFP Optical InfiniBand Cable	95Y3465	95Y3463	11B, 12A	-	-	T1
5m Mellanox QSFP Optical InfiniBand Cable	95Y3469	95Y3467	11B, 12A	-	-	T1
10m Mellanox QSFP Optical InfiniBand Cable	90Y3824	90Y3822	11B, 12A	-	-	T1
15m Mellanox QSFP Optical InfiniBand Cable	90Y3828	90Y3826	11B, 12A	-	-	T1
20m Mellanox QSFP Optical InfiniBand Cable	90Y3832	90Y3830	11B, 12A	-	-	T1
30m Mellanox QSFP Optical InfiniBand Cable	90Y3840	90Y3838	11B, 12A	-	-	T1
Mellanox Single-Port 4X DDR IB PCI-E x8 HCA	44R9972	44R9976	Phase.3, iDPX Ph1.5, iDPX Ph1.7, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10B, 11A			
Mellanox ConnectX Dual-Port 4X QDR IB x8 PCI-E 2.0 HCA	46M2201	46M2199	Phase.3, iDPX.Sep08, iDPX.8Ci, 9A, 9AW, 9B			

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
Mellanox ConnectX Single-Port 4X QDR IB x8 PCI-E 2.0 HCA	46M2205	46M2203	Phase.3, iDPX.Sep08, iDPX.8Ci, 9A, 9AW, 9B			
Mellanox ConnectX EN Dual-port 10GbE x8 PCI-E 2.0 Adapter	59Y1906	59Y1904	iDPX.Sep08, iDPX.8Ci, 9B			
- Mellanox SX6036 FDR14 Switch Chassis (PSE)	00W0005	-	12B	0724-022	0724-HCF	
- Mellanox SX6036 FDR14 Switch Chassis (oPSE)	00W0009	-	12B	0724-023	0724-HCG	
- Mellanox 216-port FDR Switch Chassis	00W0013	-	12B	0724-024	0724-HCH	
- - Mellanox SX65xx 1600w Power Supply	00W0015	-	12B	0724-024/025	0724-HCH/HCJ	
- - Mellanox 648-port FDR Switch Chassis	00W0017	-	12B	0724-025	0724-HCJ	
- Mellanox SX1036 40GbE Switch Chassis (PSE)	00W0023	-	12B	0724-026	0724-HCK	
- Mellanox SX1036 40GbE Switch Chassis (oPSE)	00W0027	-	12B	0724-027	0724-HCL	
- Mellanox SX65xx 18-port QSFP FDR14 InfiniBand Leaf Module	00W0031	-	12B, 12C	0724-028	0724-HCM/HCP	T1
- Mellanox SX65xx FDR14 Spine Module	00W0035	-	12B, 12C	0724-029	0724-HCN/HCP	T1
- Mellanox ConnectX-3 VPI Single-port QSFP FDR14/40GbE HCA	00W0039	00W0037	12B	-	-	
- Mellanox ConnectX-3 VPI Dual-port QSFP FDR14/40GbE HCA	00W0043	00W0041	12B	-	-	
- Mellanox ConnectX-3 EN Dual-port SFP+ 10GbE Adapter	00W0055	00W0053	12B	-	-	
- Mellanox 324-port FDR Switch Chassis	00Y6987	-	12C	0724-030	0724-HCP	FRU 2
- - Mellanox IS5600 Leaf-side Leaf Fan Unit	81Y1515	-	12C	0724-030	0724-HCP	T1
- - Mellanox IS5600 Spine-	81Y1517	-	12C	0724-	0724-	T1

Mellanox	FRU	Option	Release	HVEC	XCC	Category Level
side Leaf Fan Unit				030	HCP	
- - Mellanox SX65xx 1600w Power Supply	00W0015	-	12C	0724-030	0724-HCP	T1
- - Mellanox IS5xxx Management Module Blank	81Y1505	-	12C	0724-030	0724-HCP	T1
- - Mellanox IS5xxx Leaf Module Blank	81Y1505	-	12C	0724-030	0724-HCP	T1
- - Mellanox IS5300 1410 Rack Mount Kit	81Y8059		12C	0724-030	0724-HCP	FRU 2
- - Mellanox IS5300 Cable Management Kit	81Y8075		12C	0724-030	0724-HCP	T1

Table 17 Molex

Molex	FRU	Option	Release	HVEC	XCC	Category Level
1m Molex Direct Attach Copper SFP+ Cable	59Y1938	59Y1936	9A, 9AW, 9B, 10A, 10B, 11A, 12A			
0.5m Molex Direct Attach Copper SFP+ Cable	59Y1934	59Y1932	9A, 9AW, 9B, 10A, 10B, 11A, 12A			
3m Molex Direct Attach Copper SFP+ Cable	59Y1942	59Y1940	9A, 9AW, 9B, 10A, 10B, 11A, 12A			
7m Molex Direct Attach Copper SFP+ Cable	59Y1946	59Y1944	9A, 9AW, 9B, 10A, 10B, 11A, 12A			

Table 18 QLogic Switches

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
QLogic 9024FC Externally Managed 24-port DDR IB Switch Bundle	-	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B	-	-	
- Qlogic 9024-FC24-ST1-	46D0198	-	Phase.3,	0449-	0449-	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
DDR Switch Chassis for 1350			July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	011	HC4	
- Qlogic 9024FC 4-point Rack Mount Kit (26"-33.25")	46D0200	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-011	0449-HC4	
Qlogic 9024FC for iDPx Externally Managed 24-port DDR IB Switch Bundle	-	-	iDPX Ph1.5, iDPX Ph1.7, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Qlogic 9024-FC24-ST1-DDR-R-RAC Switch Chassis for iDPX	46D0245	-	iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-012	0449-HC5	
- Qlogic 9024FC 4-point Rack Mount Kit (14.25"-20-")	46D0247	-	iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-012	0449-HC5	
Qlogic 9024CU Managed 24-port DDR InfiniBand Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	-	-	
- Qlogic 9024-CU24-ST2-DDR Switch Chassis for 1350	46D0186	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-010	0449-HC3	
- Qlogic 9024CU Fan Tray	46D0188	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-010	0449-HC3	
- Qlogic 9024CU Hot-swap Power Supply	46D0190	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-010	0449-HC3	
- Qlogic 9024CU24 Rack Mount Kit	46D0192	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-010	0449-HC3	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
QLogic 12200 36-port QDR InfiniBand Switch Bundle	-	-	9A, 9AW, 9B	-	-	
- QLogic 12200 Switch Chassis for 1350	49Y8483	-	9A, 9AW, 9B, 10A, 10B, 11A	0449-019	0449-HCC	
- QLogic 12200 4-point Rack Mount Kit (26"-33.25")	49Y8485	-	9A, 9AW, 9B, 10A, 10B, 11A	0449-019	0449-HCC	
QLogic 12200 (iDPx) 36-port QDR InfiniBand Switch Bundle	-	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- QLogic 12200 Switch Chassis for iDPx	49Y8491	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-020	0449-HCD	
- QLogic 12200 4-point Rack Mount Kit (14.25"-20")	49Y8493	-	9A, 9AW, 9B, 10A, 10B, 11A	0449-020	0449-HCD	
- QLogic 12200 (1410) for 1410 Redundant Power Switch Chassis	68Y6989	-	10A, 10B, 11A	0449-028	0449-HCM	
- QLogic 12200 (iDPx) Redundant Power Switch Chassis	68Y6993	-	10A, 10B, 11A	0449-029	0449-HCN	
QLogic 12200 Management Module	68Y6997	68Y6995	10A, 10B, 11A, 11B	0449-019 /020 /028 / 029	0449-HCC / HCD / HCM / HCN	
QLogic 9080 96-port DDR InfiniBand Switch Bundle	-	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, 8D-I, 9A, 9AW, 9B	-	-	
- QLogic 9XXX Hot-swap Power Supply	46D0208	46D0241	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 / 014 /015	0449-HC6 / HC7/H C8	
- QLogic 9080/9120 Rack Mount Kit	46D0210	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014	0449-HC6 / HC7	
- QLogic Fabric Director Leaf Module Blank Panel	46D0218	-	Phase.3, July.08, Sept.08, 8C,	0449-013 /014 /015	0449-HC6 / HC7 /	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
			8D-I, 9A, 9AW, 9B		HC8	
- QLogic 9080 Switch Chassis for 1350	46D0204	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, 8D-I, 9A, 9AW, 9B	0449-013	0449-HC6	
- QLogic Fan Tray for Fabric Director Switches	46D0206	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic Fabric Director Power Supply Blank Panel	46D0214	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic Fabric Director Spine Module Blank Panel	46D0216	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9XXX DDR Spine Module - Managed	46D0212	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-017	0449-HCA	
QLogic 9120 144-port DDR InfiniBand Switch Bundle	-	-	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- QLogic 9080/9120 Rack Mount Kit	46D0210	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 / 014	0449-HC6 / HC7	
- QLogic Fabric Director Power Supply Blank Panel	46D0214	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9120 Switch Chassis for 1350	46D0223	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A,	0449-014	0449-HC7	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
			9AW, 9B			
- QLogic Fan Tray for Fabric Director Switches	46D0206	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9XXX Hot-swap Power Supply	46D0208	46D0241	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic Fabric Director Spine Module Blank Panel	46D0216	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic Fabric Director Leaf Module Blank Panel	46D0218	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9XXX DDR Spine Module - Managed	46D0212	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-017	0449-HCA	
QLogic 9240 288-port DDR InfiniBand Switch Bundle	-	-	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- QLogic Fan Tray for Fabric Director Switches	46D0206	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9XXX Hot-swap Power Supply	46D0208	46D0241	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9240 Rack Mount Kit	46D0249	-	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-015	0449-HC8	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
- QLogic Fabric Director Power Supply Blank Panel	46D0214	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic Fabric Director Spine Module Blank Panel	46D0216	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic Fabric Director Leaf Module Blank Panel	46D0218	-	Phase.3, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	0449-013 /014 /015	0449-HC6 / HC7 / HC8	
- QLogic 9240 Base Chassis	46D0228	-	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-015	0449-HC8	
- QLogic 9XXX DDR Spine Module - Managed	46D0212	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-017	0449-HCA	
QLogic 12300 36-port QDR InfiniBand Switch Bundle	-	-	9A, 9AW, 9B	-	-	
- QLogic 12300 Switch Chassis for 1350	49Y8497	-	9A, 9AW, 9B	0449-021	0449-HCE	
- QLogic 12300 4-point Rack Mount Kit (26"-33.25")	49Y8545	-	9A, 9AW, 9B	0449-021	0449-HCE	
- QLogic 12300 Power Supply & Fan Tray	49Y8499	-	9A, 9AW, 9B	0449-021	0449-HCE	
QLogic 12800-180 QDR InfiniBand Switch Bundle	-	-	9A, 9AW, 9B, 10A, 10B	-	-	
- QLogic 12800 Intake Fan Module	49Y8509	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800 Power Supply	49Y8513	49Y8504	Phase.3, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800-180 Rack Mount Kit	49Y8503	-	9A, 9AW, 9B, 10A, 10B,	0449-022	0449-HCF	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
			11A, 11B			
- QLogic 12800 Management Module	49Y8507	49Y8543	Phase.3, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
QLogic 12800-360 QDR InfiniBand Switch Bundle	-	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	-	-	
- QLogic 12800 Exhaust Fan Module	49Y8511	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800 Management Module Filler Panel	49Y8517	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800 Power Supply Filler Panel	49Y8519	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800 Spine Module Filler Panel	49Y8521	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800 Leaf Module Filler Panel	49Y8523	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-022/ 023	0449-HCF / HCG	
- QLogic 12800-360 Switch Chassis for 1350	49Y8529	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-023	0449-HCG	
3m QLogic Optical QDR InfiniBand QSFP Cable	59Y1922	59Y1920	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-019/020/ 021/022/ 023/028/ 029	0449-HCC/ HCD/ HCE/ HCF/ HCG/ HCM/ HCN	
30m QLogic Optical QDR InfiniBand QSFP Cable	59Y1930	59Y1928	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-019/020/ 021/022/ 023/028/ 029	0449-HCC/ HCD/ HCE/ HCF/ HCG/ HCM/ HCN	
0.5m QLogic Copper DDR InfiniBand QSFP-to-CX4 30AWG Cable	59Y1878	59Y1876	Phase.3, 9A, 9AW, 9B	0449-019/020/ 021/022/ 023	0449-HCC/ HCD/ HCE/ HCF/ HCG	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
1m QLogic Copper DDR InfiniBand QSFP-to-CX4 30AWG Cable	59Y1882	59Y1880	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
3m QLogic Copper DDR InfiniBand QSFP-to-CX4 28AWG Cable	59Y1886	59Y1884	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
0.5m QLogic Copper QDR InfiniBand QSFP 30AWG Cable	59Y1894	59Y1892	Phase.3, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-019/020/021/022/023/028/029	0449-HCC/HCD/HCE/HCF/HCG/HCM/HCN	
1m QLogic Copper QDR InfiniBand QSFP 30AWG Cable	59Y1898	59Y1896	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-019/020/021/022/023/028/029	0449-HCC/HCD/HCE/HCF/HCG/HCM/HCN	
3m QLogic Copper QDR InfiniBand QSFP 28AWG Cable	59Y1902	59Y1900	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-019/020/021/022/023/028/029	0449-HCC/HCD/HCE/HCF/HCG/HCM/HCN	
QLogic 9XXX DDR Spine Module - Unmanaged	46D0233	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-016	0449-HC9	
QLogic 9XXX DDR Spine Module - Managed	46D0212	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-017	0449-HCA	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
QLogic 9XXX 12-port 4X DDR InfiniBand Switch Leaf Module	46D0239	-	Phase.3, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-018	0449-HCB	
10m QLogic Optical QDR InfiniBand QSFP Cable	59Y1926	59Y1924	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-019/020/021/022/023/028/029	0449-HCC/HCD/HCE/HCF/HCG/HCM/HCN	
QLogic 9XXX Hot-swap Power Supply	46D0208	46D0241	Phase.3, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	0449-013 / 014 / 015	0449-HC6 / HC7 / HC8	
3m QLogic Optical DDR InfiniBand QSFP-to-CX4 Cable	59Y1910	59Y1908	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
30m QLogic Optical DDR InfiniBand QSFP-to-CX4 Cable	59Y1918	59Y1916	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
QLogic 12800 QDR Single Spine Module	49Y8537	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-024	0449-HCH	
10m QLogic Optical DDR InfiniBand QSFP-to-CX4 Cable	59Y1914	59Y1912	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
QLogic 12800 QDR Double Spine Module	49Y8541	-	9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-025	0449-HCJ	
QLogic 12800 24-port 4X QDR Ultra-HD InfiniBand Leaf Module	49Y8549	-	Phase.3, 9A, 9AW, 9B, 10A, 10B, 11A, 11B	0449-026	0449-HCK	
QLogic 12800 18-port 4X QDR Ultra-HP InfiniBand	49Y8553	-	Phase.3, 9A, 9AW, 9B, 10A,	0449-027	0449-HCL	

QLogic Switches	FRU	Option	Release	HVEC	XCC	Category Level
Leaf Module			10B, 11A, 11B			
10m QLogic Optical QDR InfiniBand QSFP Cable [Fallback Cable]	59Y1926	59Y1924	9A, 9AW, 9B, 10B, 11A, 11B	0449-019/020/021/022/023/028/029	0449-HCC/HCD/HCE/HCF/HCG/HCM/HCN	
10m QLogic Optical DDR InfiniBand QSFP-to-CX4 Cable [Fallback Cable]	59Y1914	59Y1912	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
30m QLogic Optical DDR InfiniBand QSFP-to-CX4 Cable [Fallback Cable]	59Y1918	59Y1916	Phase.3, 9A, 9AW, 9B	0449-019/020/021/022/023	0449-HCC/HCD/HCE/HCF/HCG	
QLogic QLE7340 single-port 4X QDR IB x8 PCI-E 2.0 HCA	59Y1890	59Y1888	iDPX.Sep08, 8C, iDPX.8Ci, 9B, 10A, 10B, 11A, 12A			
30m QLogic Optical QDR InfiniBand QSFP Cable [Fallback Cable]	59Y1930	59Y1928	9A, 9AW, 9B, 10B, 11A, 11B	0449-019/020/021/022/023/028/029	0449-HCC/HCD/HCE/HCF/HCG/HCM/HCN	

Table 19 LG-Ericsson (SMC) Switches

SMC Switches	FRU	Option	Release	HVEC	XCC	Category Level
SMC 8848M Ethernet Switch Bundle	-	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07,	-	-	

SMC Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D- I, 9A, 9AW, 9B, 10A, 10B			
- SMC 8848M Ethernet Switch	40K9156	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4668- 015	4668- HC3	
- 30cm Stacking Cable	40K9158	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07,	4668- 015/022	4668- HC3/H CB	T1

SMC Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A			
- SMC 8848M/8708L2 1U Rail Kit	40K9160	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B	4668-015	4668-HC3	
SMC 8126L2 26-port GbE Switch Bundle	-	-	9A, 9AW, 9B, 10A, 10B	-	-	
- SMC 8126L2 Switch Chassis	46M2177	-	9A, 9AW, 9B, 10A, 10B, 11A	4668-017	4668-HC6	
- SMC 8150L2 Switch Chassis	46M2187	-	10A, 10B, 11A	4668-018	4668-HC7	
- SMC 8848M Ethernet Switch	46M1347	-	9B, 10A, 10B	4668-015	4668-HC3	

SMC Switches	FRU	Option	Release	HVEC	XCC	Category Level
SMC 8708L2 8-port 10Gb Ethernet Switch	-	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- 1.52m DC Backup Power Cord	49Y8560	-	10A, 10B, 11A	4668-019	4668-HC8	
- SMC RPU14 Redundant Power Unit Chassis	49Y8558	-	10A, 10B, 11A	4668-019	4668-HC8	
SMC Rack Mount Kits for iDataPlex	46C5047	46C5045	Phase.3, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, iDPX.Sep08, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
SMC 10Gb XENPAK Module Kit	40K9162	40K9165	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07,			

SMC Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, iDPX Ph1, iDPX Ph1.5, iDPX Ph1.7, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
LG-Ericsson ES-5048XG Switch (PSE) Chassis	81Y8119	-	11A, 11B	4668-020	4668-HC9	T1
LG-Ericsson Intake Fan Module	81Y8123	-	11A, 11B	4668-020	4668-HC9	T1
LG-Ericsson ES-4550G Switch Chassis	81Y8135	-	11A, 11B	4668-022	4668-HCB	T1
LG-Ericsson Rack Mount Kit 3	40K9160	81Y8141	11A, 11B	4668-022	4668-HCB	T1
- LG-E ES-4052G Switch 1GbE Switch (PSE) Chassis	00W0095	-	12B	4668-023	4668-HCA	
- - LG-E 215w ES-4K Intake Power Supply	00W0097	46C9538	12B	4668-023	4668-HCA	
- - LG-Ericsson ES-4K Intake Fan Module	00W0099	-	12B	4668-023	4668-HCA	
- LG-Ericsson KIT-40-1410 Rack Mount Kit	46C9526	-	12B	4668-023	4668-HCA	
- LG-E ES-4052G Switch 1GbE Switch (oPSE) Chassis	46C9530	-	12B	4668-024	4668-HCC	
- - LG-E 215w ES-4K Exhaust Power Supply	46C9532	90Y7738	12B	4668-024	4668-HCC	
- - LG-Ericsson ES-4K Exhaust Fan Module	46C9534	-	12B	4668-024	4668-HCC	

SMC Switches	FRU	Option	Release	HVEC	XCC	Category Level
- LG-Ericsson KIT-40-IDPX Rack Mount	46C9536	-	12B	4668-024	4668-HCC	

Table 20 Tyco Patch Panel

Tyco Patch Panel	FRU	Option	Release	HVEC	XCC	Category Level
Tyco 48-port 1Gb Ethernet Angled Patch Panel	44E9041	-	July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B	0564-010	0564-HC3	
3m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9045	44E9046	July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			
10m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9049	44E9051	July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A,			

Tyco Patch Panel	FRU	Option	Release	HVEC	XCC	Category Level
			10B, 11A, 11B			
30m Tyco Straight MRJ21-to-Angled MRJ21 Cable	44E9065	44E9066	July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A, 11B			

Table 21 Voltaire Switches

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
Voltaire 2012 InfiniBand Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	
- Voltaire sPSU Power Supply	40K5703	40K9077	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A,	4669-023/024	4669-HCD/HCE	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
			9AW, 9B			
- Voltaire sMB-HM Hi-Memory Management Board	40K9041	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, Feb.08, March.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	4669-023/024/028	4669-HCD/HCE/HCJ	
- Voltaire 2012 InfiniBand Switch Chassis	46C5027	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-024	4669-HCE	
Voltaire 2004 InfiniBand Switch Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-023	4669-HCD	
- Voltaire 2004 InfiniBand Switch Chassis	46C5019	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-023	4669-HCD	
- Voltaire sFU-8 Horizontal Fan Unit	40K5696	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3,	4669-023/024	4669-HCD/HCE	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
			August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B			
- Voltaire sCGR-96 Cable Guide Bracket Kit	40K9037	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	4669-023	4669-HCD	
- Voltaire sFU-2004 Vertical Fan Unit	46C5023	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-023	4669-HCD	
- Voltaire sFB-2004 Switch Fabric Board Blank Panel	46C5021	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-023	4669-HCD	
Voltaire 2036 36-port Managed DDR IB Switch Bundle	-	-	9A, 9AW, 9B	-	-	
- Voltaire 2036 36-port Managed DDR IB Switch	46M2209	-	9A, 9AW, 9B	4669-030	4669-HCL	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
Chassis						
- Voltaire 350w Power Supply	46M2211	49Y0476	9AW, 9B, 9B, 10A, 10B, 11A, 11B	4669-032/033/042/043/044/045	4669H CN/H CP/H CY/H CZ/H D1/HD 2	T1
- Voltaire Fan (Air In)	46M2213	-	9A, 9AW, 9B, 10A, 10B, 11A	4669-032/042/044	4669-HCN/HCY/HD1	T1
- Voltaire 2036 / 4036 Rack Kit for 1410 Racks	46M2215	-	9A, 9AW, 9B, 10A, 10B, 11A	4669-032/042/044	4669-HCN/HCY/HD1	T1
Voltaire 2036 (iDPx) 36-port Managed DDR IB Switch Bundle	-	-	9A, 9AW, 9B	-	-	
- Voltaire 2036 (iDPx) 36-port Managed DDR IB Switch Chassis	46M2219	-	9A, 9AW, 9B	4669-031	4669-HCM	
- Voltaire Fan (Air Out)	46M2223		9A, 9AW, 9B, 10A, 10B, 11A	4669-031/033/043/045	4669-HCM/HCP/HCZ/HD2	T1
- Voltaire 2036 / 4036 Rack Kit for iDPx Racks	46M2225	-	9A, 9AW, 9B, 10A, 10B	4669-031/033	4669-HCM/HCP	
Voltaire 4036 for 1410 36-port Managed QDR IB Switch Bundle	-	-	9B, 10A, 10B, 11A, 11B	-	-	
- Voltaire 4036 for 1410 36-port Managed QDR IB Switch Chassis	49Y0440	-	9B, 10A, 10B, 11A, 11B	4669-032	4669-HCN	
- Voltaire 4036 for iDPx 36-port Managed QDR IB Switch Chassis	49Y0444	-	9B, 10A, 10B, 11A, 11B	4669-033	4669-HCP	
- Voltaire 4200 for 1410 Switch Chassis	81Y8062	-	10B, 11A	4669-041	4669-HCX	
- - Voltaire sFU-42H Horizontal Fan Unit	81Y8064	-	10B, 11A	4669-041	4669-HCX	
- - Voltaire sFU-42V Vertical Fan Unit	81Y8066	-	10B, 11A	4669-041	4669-HCX	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
- - Voltaire 1400w sPSU-S Power Supply	49Y0454	49Y0478	10B, 11A, 11B	4669-034/037/041	4669-HCQ/HCT/HCX	
- Voltaire sMB-CM Management Board Blank Panel	49Y0460	-	10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
- Voltaire sFB-4200 Switch Fabric Board Blank Panel	81Y8068	-	10B, 11A, 11B	4669-041	4669-HCX	
- Voltaire sLB-4018 Line Card Blank Panel	49Y0464	-	10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
- Voltaire 4700 Rack Mount Rail Kit	69Y0363	-	10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
- Cable Management Guide Kit	81Y1637	-	10B, 11A, 11B	4669-041	4669-HCX	
Voltaire sFB-4200 Vertical Fabric Board	81Y8071	81Y8069	10B, 11A, 11B			
Voltaire 4700 for 1410 Switch Bundle	-	-	9B, 10A, 10B, 11A, 11B	-	-	
- Voltaire sFU-40H Horizontal Fan Unit	49Y0450	-	9B, 10A, 10B, 11A	4669-034	4669-HCQ	
- Voltaire sFU-40V Vertical Fan Unit	49Y0452	-	9B, 10A, 10B, 11A	4669-034	4669-HCQ	
- Voltaire sMB-CM Management Board Blank Panel	49Y0460	-	9B, 10A, 10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
- Voltaire sFB-4700 Switch Fabric Board Blank Panel	49Y0462	-	9B, 10A, 10B, 11A, 11B	4669-034	4669-HCQ	
- Voltaire sPSU Power Supply Blank Panel	40K5717	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07,	4669-041	4669-HCX	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A			
- Voltaire 4700 for 1410 Switch Chassis	49Y0448		9B, 10A, 10B, 11A, 11B	4669-034	4669-HCQ	
- Voltaire 1400w sPSU-S Power Supply	49Y0454	49Y0478	9B, 10A, 10B, 11A, 11B	4669-034/037/041	4669-HCQ/ HCT/ HCX	
- Voltaire sMB-CM Management Board	49Y0456	49Y0474	9B, 10A, 10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
- Voltaire sLB-4018 Line Card Blank Panel	49Y0464	-	9B, 10A, 10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
- Voltaire 4700 Rack Mount Rail Kit	69Y0363	-	9B, 10A, 10B, 11A, 11B	4669-034/041	4669-HCQ / HCX	
Voltaire 8500 for 1410 Switch Bundle	-	-	9B, 10A, 10B, 11A, 11B	-	-	
- Voltaire sCNTRL Rear Panel Control	40K5705	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4669-037	4669-HCT	
- Voltaire sRK Rail Kit	40K5707	-	6A, 6B,	4669-	4669H	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B	023/024/ 037	CD/H CE/H CT	
- Voltaire sMB-HM Hi-Memory Management Board Blank Panel	40K5713	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4669- 037	4669- HCT	
- Voltaire sLB Line Card Blank Panel	40K5715	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07,	4669- 037	4669- HCT	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A			
- Voltaire sFU-4 Vertical Fan Unit	40K5697	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4669-037	4669-HCT	
- Voltaire sCGR-288 Cable Guide Bracket Kit	40K5709	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07,	4669-037	4669-HCT	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
			Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A			
- Voltaire sFB-2012 Switch Fabric Board Blank Panel	40K5711	-	6A, 6B, Jan.07, Feb.07, Mar.07, Apr.07, May.07, June.07, July.07, Phase.3, August.07, Sept.07, Oct.07, Nov.07, Dec.07, Jan.08, April.08, June.08, July.08, Sept.08, 8C, 8D-I, 9A, 9AW, 9B, 10A, 10B, 11A	4669-037	4669-HCT	
- Voltaire 1400w sPSU-S Power Supply	49Y0454	49Y0478	9B, 10A, 10B, 11A, 11B	4669-034/037/041	4669-HCQ/ HCT/ HCX	
- Voltaire 8500 for 1410 Switch Chassis	68Y6903	-	9B, 10A, 10B, 11A, 11B	4669-037	4669-HCT	
- Voltaire sFU-8E Horizontal Fan Unit	68Y6905	-	9B, 10A, 10B, 11A	4669-037	4669-HCT	
- Voltaire sMB-E Management Module	68Y6907	-	9B, 10A, 10B, 11A, 11B	4669-040	4669-HCW	
Voltaire sMB-HM Hi-Memory Management Board Bundle	-	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	-	-	

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
Voltaire sFB-2004 Switch Fabric Board	46C5031	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-025	4669-HCF	
Voltaire sFB-2012 Switch Fabric Board	46C5035	-	Phase.3, June.08, July.08, Sept.08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-026	4669-HCG	
Voltaire sLB-2024 24-port 4X DDR InfiniBand Line Card	46C5039	-	Phase.3, June.08, July.08, Sept.08, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-027	4669-HCH	
Voltaire sRB-20210G 10GbE/DDR InfiniBand Line Board	46M1823	-	Phase.3, iDPX.Sep08, 8C, iDPX.8Ci, 8D-I, 9A, 9AW, 9B	4669-029	4669-HCK	
Voltaire sLB-4018 18-port QDR IB Line Board	49Y0468	-	9B, 10A, 10B, 11A, 11B	4669-035	4669-HCR	
Voltaire sFB-4700 Switch Fabric Board	49Y0472	49Y0470	9B, 10A, 10B, 11A, 11B			
4m Voltaire Copper 12X CXP-to-3 QSFP Breakout Cable	68Y6973	68Y6971	9B, 10A, 10B			
10m Voltaire Optical 12X CXP-to-3 QSFP Breakout Cable	68Y6981	68Y6979	9B, 10A, 10B			
Voltaire sFB-4700-X2 Hyperscale Fabric Board	49Y0482	-	9B, 10A, 10B, 11A, 11B	4669-036	4669-HCS	
Voltaire Hyperscale Cable Management Kit	49Y0486	49Y0484	9B, 10A, 10B, 11A, 11B			
1.2m Voltaire Copper 12X CXP-to-12X CXP Cable	68Y6933	68Y6931	9B, 10A, 10B			
4m Voltaire Copper 12X CXP-to-12X CXP Cable	68Y6945	68Y6943	9B, 10A, 10B			
10m Voltaire Optical 12X CXP-to-12X CXP Cable	68Y6957	68Y6955	9B, 10A, 10B			

Voltaire Switches	FRU	Option	Release	HVEC	XCC	Category Level
Voltaire sLB-1024 24-Port 10GbE Line Board	68Y6913	68Y6955	9B, 10A, 10B			
Voltaire sFB-8500 Fabric Board	68Y6917	-	9B, 10A, 10B, 11A, 11B	4669-039	4669-HCV	
Voltaire 2036 / 4036 Rack Kit 2 for iDPx Racks	90Y3736	-	11A	4669-033/043/045	4669-HCP/HCZ/HD2	T1
Voltaire 4036E Switch (PSE) Chassis	81Y8103	-	11A, 11B	4669-042	4669-HCY	T1
Voltaire 4036E Switch (oPSE) Chassis	81Y8107	-	11A, 11B	4669-043	4669-HCZ	
Voltaire 4036E-LM Switch (PSE) Chassis	81Y8111	-	11A, 11B	4669-044	4669-HD1	T1
Voltaire 4036E Switch-LM (oPSE) Chassis	81Y8115	-	11A, 11B	4669-045	4669-HD2	T1