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CATALOG
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SPRING/SUMMER 2002



IBM iSeries loaded for the Web
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<p>Warranty of your product</p>	<p>Software updates</p>			

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IBM @server iSeries:
***Open and secure protection for your
growing infrastructure.***

The IBM @server iSeries gives you the freedom you need to succeed in e-business – safely. This server family was designed to offer maximum safeguarding capabilities across an open, heterogeneous infrastructure. So you can think less about server security and more about the options you have for deploying required applications, regardless of operating system.

Any iSeries server can help you better manage the four key areas of security: access, protection, detection and backup/recovery. Tools include Digital Certificate Management, built-in IP Address Filtering and hacker- and virus-resistant object-oriented architecture. These are just a few of the iSeries features that can keep your IT assets secure while your company leverages outstanding application flexibility, superior e-business management tools and innovative industry technology.

Of course, there's more to iSeries than security. The latest version of OS/400 V5R1 also delivers major enhancements across the entire product line: more powerful copper/SOI processors; increased memory capacities; faster, less expensive HSL OptiConnect clustering; expanded SAN support and much more.

The iSeries offers your enterprise the opportunity to exploit new technology, cut risk and lower total cost of ownership with scalable systems that grow as you grow. With iSeries, you'll be able to move your company to e-business and increase your competitive advantage faster, more securely – and for less – than you ever thought possible.

Bookmark this site and visit often:
ibm.com/servers/eservers/iseries

iSeries 2001 Announcements At A Glance

INNOVATIVE TECHNOLOGY – Extending the iSeries Advantage

- More powerful processors, increased disk and memory capabilities
- New compute-intensive processor features
- New Capacity Upgrade on Demand options
- SAN (Storage Area Network) support
- Faster, less expensive, system-to-system clustering and switchable disk options
- High-Speed Link (HSL) attached towers
- Dual line cords for higher availability
- Pervasive computing support and systems management
- Robust systems management simplified

APPLICATION FLEXIBILITY – Your business, your choice

- Linux support with OS/400 V5R1
- Sophisticated Logical Partitioning capabilities
- Microsoft Outlook management simplified with Domino & iNotes
- Domino for iSeries increased Web capability & support
- Industry-leading Java performance
- Extensive iSeries Windows Server Integration – now with 2 options
- Integrated 1-way xSeries PC Server or external 2- or 4-way xSeries

TOOLS FOR e-BUSINESS – Simplified and highly secure

- Simplify e-commerce (IBM Connect for iSeries and WebSphere Commerce Suite)
- Optimize wireless Web (WebSphere Transcoding Publisher)
- HTTP Server (powered by Apache) integrated for systems management and security
- iNotes Web Access
- Five new iSeries & network printers with speeds from 20 ppm to 45 ppm
- Robust e-business development tool suite (WebSphere Development Studio)
- World-class, global customer service, Extreme Support Personalized (ESP)
- Dozens of new and updated software products

iSeries Dedicated Server for Domino™



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iSeries Dedicated Server for Domino	Model 270		Model 820		
Processor Feature	2452	2454	2456	2457	2458
Processor Type	(Uni)	(2-way)	(Uni)	(2-way)	(4-way)
Main Storage (MB)					
Minimum	256	256	256	256	256
Maximum	8192	16384	16384	32768	32768
DASD Capacity (GB)					
Minimum	8.58	8.58	8.58	8.58	8.58
Maximum	421.9	421.9	4159.1	4159.1	4159.1
Maximums					
Communication Lines	50	50	160	160	160
LAN Ports	8	8	30	30	30
CD-ROM/Internal Tape	2	2	12	12	12
External Tape (Maximum)	3	3	8	8	8
Integrated 1-way xSeries (Maximum)	2	2	12	12	12
External 2- or 4-way xSeries (Maximum)	2	2	4	4	4
Standard Processors Relative Performance**					
Processor CPW	100	240	120	240	380
Interactive CPW	0*	0*	0*	0*	0*
Domino Mail + Calendar User	3070	6660	3110	6660	11,810
Software Tier	P10*	P10	P05	P10	P20
IBM Base Server Unit Price					

* Provides support for administration functions.

The results (reported values) can be used to compare relative performance characteristics of processor features offered for iSeries 400 and AS/400e servers, Simple Mail Users (SMU) and Mail/Calendar Users (MCU). This relative performance measurement is derived by performing high-volume Lotus® Domino™ mail workloads on Dedicated Domino Processors. SMU and MCU are representative of mail applications, particularly those that do not perform database-related tasks. SMU and MCU represent the estimated number of concurrent users for the Dedicated Domino Processors. These reported values reflect 70% processor utilization to allow for growth and peak loads in excess of customer workload estimates. Commercial Processing Workload (CPW): derived by performing commercial processing workloads on Dedicated Domino Processors. CPWs are representative of commercial applications, particularly those that do significant database processing in conjunction with journaling and commitment control. The reported values for CPW do not represent a guaranteed level of capacity to perform non-Domino workloads. The reported CPW may be utilized by System Resource activities and Domino Resource extensions (e.g., database accesses, external program calls, etc.). Processor CPW is an approximate value reflecting the maximum amount of non-Domino workload (10%-15% of CPU) that can be supported. Interactive CPW is an approximate value reflecting the portion of Processor CPW that can be used for workloads performing interactive-based tasks (5250). *Software subscription for the 2452 is at P05 pricing levels.

iSeries	iSeries Model 270				
Processor Feature	2248	2250	2431	2432	2434
Processor Type	(Uni)	(Uni)	(Uni)	(Uni)	(2-way)
Main Storage (MB)					
Minimum	256	256	256	256	256
Maximum	4096	4096	8192	8192	16384
DASD Capacity (GB)					
Minimum	8.58	8.58	8.58	8.58	8.58
Maximum	421.9	421.9	421.9	421.9	421.9
Maximums					
Communication Lines	50	50	50	50	50
LAN Ports	8	8	8	8	8
Twinaxial Controllers	6	6	6	6	6
Max. Twinaxial Workstations	240	240	240	240	240
CD-ROM/Internal Tape	2	2	2	2	2
Internal Tape					
External Tape	3	3	3	3	3
Optical Libraries	4	4	4	4	4
Integrated 1-way xSeries Max	2	2	2	2	2
External 2- or 4-way xSeries Max	2	2	2	2	2
Standard Processors					
Relative Performance**					
Processor CPW	150	370	465	1070	2350
Interactive CPW default	25	30	30	50	70
Base Processors					
Relative Performance**					
Processor CPW		370		1070	2350
Interactive CPW default		0		0	0
Software Tier	P05	P10/P10	P10	P10/P10	P20/P20
Server Unit Price – Standard					
Server Unit Price – Base***					

iSeries Models



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IBM @server for J.D. Edwards		IBM @server iSeries Powered by WebSphere		iSeries Model 820					iSeries Model 830			iSeries Model 840			iSeries Model 840 CUoD****		
2432	2434	2432	2434	2395	2435	2436	2437	2438	2400	2402	2403	2418	2420	2461	2352	2353	2354
(Uni)	(2-WAY)	(Uni)	(2-WAY)	(UNI)	(UNI)	(UNI)	(2-way)	(4-way)	(2-way)	(4-way)	(8-way)	(12-way)	(24-way)	(24-way)	(8 A/4oD)	(12 A/6oD)	(18 A/6oD)
2500	4500	256	256	256	256	256	256	256	1024	1024	1024	4096	4096	4096	4096	4096	4096
8192	8192	8192	16384	8192	8192	16384	32768	32768	32768	32768	32768	98304	98304	131072	131072	131072	131072
228	298	5	9	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58	8.58
421.9	421.9	421.9	421.9	4159.1	4159.1	4159.1	4159.1	4159.1	11055.8	11055.8	11055.8	18952.9	18952.9	18952.9	18952.9	18952.9	18952.9
50	50	50	50	160	160	160	160	160	300	300	300	400	400	400	400	400	400
8	8	8	8	30	30	30	30	30	72	72	72	96	96	96	96	96	96
6	6	6	6	62	62	62	62	62	152	152	152	175	175	175	175	175	175
240	240	240	240	2480	2480	2480	2480	2480	6080	6080	6080	7000	7000	7000	7000	7000	7000
2	2	2	2	12	12	12	12	12	18	18	18	24	24	24	24	24	24
3	3	3	3	8	8	8	8	8	10	10	10	26	26	26	26	26	26
4	4	4	4	14	14	14	14	14	22	22	22	26	26	26	26	26	26
2	2	2	2	12	12	12	12	12	28	28	28	32	32	32	32	32	32
2	2	2	2	4	4	4	4	4	8	8	8	16	16	16	16	16	16
1070	2350	1070	2350	370	600	1100	2350	3700	1850	4200	7350	10000	16500	20200	9000-12000	12000-16500	16500-20200
50	70	50	70	35-240	35-240	35-560	35-1050	35-2000	70	70	70	120-10000	120-16500	120-20200	120-10000	120-16500	120-20200
					0150	0151	0152										
1070	2350	1070	2350	No Base Model	No Base Model	1100	2350	3700	No Base Model	No Base Model	No Base Model	No Base Model	No Base Model	No Base Model	No Base Model	No Base Model	No Base Model
0/50	0/70	0	0			0	0	0									
P10/P10	P20/P20	P10/P10	P20/P20	P10/P20	P10/P20	P20/P30	P20/P30	P30/P40	P20/P30	P30/P40	P40/P50	P40/P50	P40/P50	P40/P50	P40/P50	P40/P50	P40/P50
†		†															

Maximum main storage is achieved by field upgrade only. Relative system performance measurements (CPW) based on iSeries 400 or AS/400 environment, commercial processing workload (CPW). The CPW is representative of commercial applications, particularly those that do significant database processing in conjunction with journaling and commitment control. The CPW is measured on maximum configurations. CPW values may not be realized in all environments. Capacities shown are for models shipped from the plant and include any prerequisite expansion features. Some combinations of devices may be subject to configuration restrictions. Performance measurements based on OS/400 V4R5 or V5R1. Higher Software Tier (example P30 when noted as P20/P30) applies when using 7xx or 8xx servers with Optional Interactive Features. Call for configuration assistance. ****Capacity Upgrade on Demand. This server must be ordered directly from the IBM plant. Base Processors Active (A) and On-Demand Processors available (oD). † Call 800 426-2255 for pricing.

Visit the iSeries Home Page at: ibm.com/eserver/iserries

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Limited
Warranty**IBM @server iSeries servers: your competitive advantage.****■ iSeries hardware capabilities**

- **Faster processors provide more performance and increased price/performance**
- **820 Base Processor Models for CPU intensive workloads**
- **Large memory capacities**
- **HSL OptiConnect provides high speed connections between iSeries models in a cluster**
- **Support for LPAR and LINUX on all models**
- **Integrated xSeries Servers for iSeries**
- **Integrated xSeries Adapters for iSeries**
- **Enhanced tape support**
- **Flexible rack-mount capabilities**
- **Upgradeable to Capacity Upgrade on Demand Models**

■ New 1MHz Integrated xSeries Server for iSeries.**IBM @server iSeries: Freedom from Complexity**

The iSeries unique design delivers the benefits of today's innovative technology without the complexity. IBM continues to extend this design to take advantage of the latest industry-leading technology such as enhanced copper and silicon-on-insulator (SOI) processors and new OS/400 capabilities introduced with the newest release, V5R1. The iSeries enables you to run an industry-leading portfolio of new B2B, B2C, CRM and SCM applications and provides tools to help you control costs and downtime. You'll be up and running faster and stay up and running with less work.

Innovative technology that simply works

With the announcement of V5R1, IBM @server iSeries delivers innovative technology across the product line. Whether it's the e-business demand for both dedicated and Web-based application serving, or increased performance required for traditional transaction-based workloads, the iSeries servers provide solutions to your business requirements. Add in legendary reliability and scalability, and you have a system that will continue to meet your needs as your business grows.

For more information - ibm.com/servers/eserver/series**Models 820/830/840 Capacities**

	820	830	840
Number of Processors	1 - 4	4 - 8	12 - 24
Processor CPW (Max)*	3,700	7,350	20,200
Domino Mail and Calendar Users (Max)*	11,800	20,900	77,800
Integrated 1-way xSeries (Max)	12	28	32
External 4-way xSeries (Max)	4	8	16
Disk Capacity (Max)	8.3TB	22TB	38TB
Main Memory (Max)	32GB	64GB	128GB
5250 Interactive CPW (Max)	2,000	4,550	20,200

*128GB available by special request
See inside pages 5 & 6 for CPW and Domino Mail and Calendar User descriptions.

**Now
Enhanced**
See inside pages
5 & 6 for details.

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IBM @server iSeries Model 820: More choices for your business

■ **820 Models provide cost effective growth for Model 720 customers while adding Linux and HSL-based capabilities**

■ **THREE 820 BASE PROCESSORS are designed for CPU intensive workloads**

■ **HSL OPTIONS, FIBRE CHANNEL ADAPTERS, COMMUNICATION FEATURES, and I/O OPTIONS provide balanced performance capabilities to this powerful entry server**

■ **Supports new 1GHz integrated xSeries for iSeries and xSeries Adapter for iSeries.**

iSeries Model 820

Powerful copper/SOI processors, as well as increased storage and memory capacities, provide increased performance and scalability for the Models 820. iSeries Model 820 has now five Standard Processors and three Base Processors available. Base Processors are designed to handle Application and Web Serving workloads. Standard Processors are designed to handle Mixed Workloads with the exception of a few 1-way processors that represent the entry point into a model. The "exception" processors should be limited to just Transaction Workloads (no CPU Intensive work). All Standard Processors include support for applications using 5250 programming interfaces, including the ability to add additional interactive support through the purchase of Interactive features.

Model 820 Capacity

MODEL 820 PROCESSORS	Base
Processor points (Base/Standard)	3/5
N-Ways	1, 2, 4
Main Storage Maximum	32.77GB
DASD - Maximum	8.3TB
Communication Lines - Maximum	160
LAN Ports - Maximum	30
Twinaxial Controllers - Maximum	62
Twinaxial workstations - Maximum	2480
CD-ROM/DVD/Internal Tape - Maximum	12
External Tape - Maximum	8
Optical Libraries	14
Integrated 1-way xSeries (MAX)	12
External 4-way xSeries (MAX)	4

NOTE: Capacities shown are for new models shipped from the plant and include any prerequisite expansion features. Some combinations of devices may be subject to configuration restrictions.

Software Requirements:	OS/400 V4R5 or later
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For more information - ibm.com/servers/eserver/series

Model 820 System Unit Only. Main storage, disk, CD-ROM, and console must be added for a minimum configuration.

Processor Feature	2395	2435	2436	2437	2438	0150	0151	0152
Processor CPW	370	600	1100	2350	3700	1100	2350	3700
Included Interactive CPW	35	35	35	35	35	0	0	0
Base Price	*	*	*	*	*	*	*	*
Software Group (SWG)	P10	P10	P20	P20	P30	P20	P20	P30
OI Features	CPW	Price \$						
OI #1522	70	*	*	*	*	*		
OI #1523	120	*	*	*	*	*		
OI #1524	240	*	*	*	*	*		
OI #1525	560	*		*	*	*		
OI #1526	1050	*			*	*		
OI #1527	2000	*				*		
Software Group with OI			P20	P20	P30	P30	P40	

SWG = Software Group
OI = Optional Interactive
* Call for latest prices.

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iSeries Model 830



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iSeries
Specifications are
inside pages 5 & 6.

NOW
SUPPORTS
DYNAMIC
LPAR and
LINUX
capabilities.

Now
Upgradable
to 840 CUoD.
See pages inside
5 & 6 for details.

A powerful step in the iSeries line, the 830 offers these enhanced features as well as optional features to further customize your server:

- **2- to 8-Way SMP IStar Processors**
 - **Now supports up to 22TB Disk – with up to 1.3TB in base system enclosure**
 - **Hot Plug PCI – for adding and removing hardware while the server continues to operate**
 - **Hot-Pluggable DASD – for concurrent maintenance of individual disk drives**
 - **Upgrade options into, within, and to the next 8xx model**
 - **Optional 1GHz xSeries server for iSeries or xSeries Adapter for iSeries†**
 - **Optional 1Gbps Ethernet and 100Mbps Token-ring adapters.**
- You are already demanding a lot from your server and now you need even more – it's time to move up to the iSeries Model 8xx.**

iSeries Model 830

The iSeries Model 830 is a powerful, scalable solution for your demanding business growth. Designed to get the maximum out of the OS/400 V5R1 operating system, it gives you the processing power to exploit e-business applications. The technologies used in its IStar processors – Copper and Silicon-On-Insulator (SOI) – are two of the major factors responsible for the dramatic performance results seen in the new 8xx servers.

High Speed Link

The iSeries Model 830 also features a PCI architecture bus which uses copper High Speed Link (HSL) to connect it to its expansion and migration towers. The HSL offers up to a 10x speed improvement over the previous connection.

In today's business world you have to be fast – and your server needs to keep up with you. The IBM iSeries Model 830 is ready when you are.

Model 830 Capacity

Processor points	3
N-Ways	2, 4, 8
Processor CPW	1850 - 7350
Interactive CPW	70 - 4550
Maximum main storage	65.53GB
Maximum Disk arms	630
Maximum Disk storage	22TB
Integrated 1-way xSeries (MAX)†	28
External 4-way xSeries (MAX)	8
Ethernet LAN adapter	1Gbps
Token-Ring adapter	100Mbps

†formerly Integrated Netfinity Server

For more information - ibm.com/servers/eserver/series

Model 830 System Unit Only

Main storage, disk, CD-ROM, and console must be added for a minimum configuration.

Description - Feature	CPW	Purchase Price \$	Total Purchase Price \$	SWG
Opt. Proc. #2400	1850	–	*	P20
Base Int. #1532	70	–	–	
O I #1532	120	*	*	P30
O I #1533	240	*	*	P30
O I #1534	560	*	*	P30
O I #1535	1050	*	*	P30
Opt. Proc. #2402	4200	–	*	P30
Base Int. #1531	70	–	–	
O I #1532	120	*	*	P40
O I #1533	240	*	*	P40
O I #1534	560	*	*	P40
O I #1535	1050	*	*	P40
O I #1536	2000	*	*	P40
Opt. Proc. #2403	7350	–	*	P30
Base Int. #1531	70	–	–	
O I #1532	120	*	*	P40
O I #1533	240	*	*	P40
O I #1534	560	*	*	P40
O I #1535	1050	*	*	P40
O I #1536	2000	*	*	P40
O I #1537	4550	*	*	P40

SWG = Software Group

O I = Optional Interactive

Note: Capacities shown are for new models shipped from the plant and include any prerequisite expansion features. Some combinations of devices may be subject to configuration restrictions.

* Call for latest prices.

visit

ibm.com/shop/series

call 800 426-2255

iSeries 840: an extremely strong & flexible foundation for your e-infrastructure

iSeries Model 840



More powerful copper/SOI (S-Star) processors, increased disk, HSL options, and I/O options provide increased performance and scalability.

- **S-Star Processor technology boosts top performance to over 20,000 CPW**
- **Powerful HSL Options, Fibre Channel Adapters, Communication Features, and I/O Options provide balanced system performance**
- **Integrated xSeries Adapter for iSeries joins the Integrated xSeries Server to integrate up to 32 xSeries PC servers into your iSeries architecture**
- **Capacity Upgrade on Demand options for the Model 840 allow processor performance to be activated as needed. (Field up-grade available for installed 840.)**

- **High Speed Link (HSL) OptiConnect provides faster, less expensive, system-to-system increasing high availability via switchable disk clusters and reducing the need for redundant data**
- **Fibre Channel disk and tape adapters increase the iSeries storage options by allowing it to participate in a Storage Area Network (SAN) environment.**

Protect your investment

To get full value and productivity from your server, the iSeries 400 Model 840 has a full, comprehensive selection of features to choose from. And many features from your previous system can be migrated when upgrading to an 840.

Model 840 Processors

Processor Points	3
N-Ways 12, 24	12, 24
Processor CPW	10,000 - 20,200
Interactive CPW	120 - 20,200
Main Storage - Maximum	131GB
DASD Capacity - Maximum	38TB
Communication Lines - Maximum	160
LAN Ports - Maximum	30
Twinaxial Controllers - Maximum	62
Twinaxial workstations - Maximum	2480
CD-ROM/DVD-RAM/Internal Tape	12
External Tape	8
Optical Libraries	14
Integrated xSeries Server for iSeries [†]	16
Integrated xSeries Adapter supported	32
Ethernet LAN adapter	1Gbps
Token-Ring adapter	100Mbps

[†] formerly Integrated Netfinity Server
For additional processor options, see next page - Capacity Upgrade On Demand
NOTE: Capacities shown are for new models shipped from the plant and include any prerequisite expansion features. Some combinations of devices may be subject to configuration restrictions.

For more information - ibm.com/servers/eserver/iseries

Model 840 System Unit Only - Main storage, disk, CD-ROM, and console must be added for a minimum configuration.

		Model	2418	2420	2461
All models are P40 with Base Int. Feat.		Proc CPW	10,000	16500	20,200
	P50 with optional Int. Feat.	Base \$	*	*	*
		Feat. Cost			
Interactive Feature	Int CPW				
Base Int.#1540	120	-	*	*	*
OI#1541	240	*	*	*	*
OI#1542	560	*	*	*	*
OI#1543	1,050	*	*	*	*
OI#1544	2,000	*	*	*	*
OI#1545	4,550	*	*	*	*
OI#1546	10,000	*	*	*	*
OI#1547	16,500	*	*	*	*
OI#1548	20,200	*		-	*

SWG = Software Group
O I = Optional Interactive
* Call for latest prices.

Lease & Purchase
financing available from IBM Global Financing.
See page 27.

*Add more processors as you require more power***iSeries Model 840 Capacity Upgrade on Demand (CUoD)**12 Month
Limited
Warranty

Capacity Upgrade on Demand options for the Model 840 allow processor performance to be activated as needed. Now field upgrade your installed Model 730, 740, or 840 to a Model 840 with Capacity Upgrade on Demand (OS/400 V5 is required).

■ **Extra processors options for the Model 840**

■ **Capacity Upgrade on Demand (CUoD) offers new processor points and greater flexibility:**

- an 8-way to 12-way option
- a 12-way to 18-way option
- an 18-way to 24-way option

■ **Pay for additional capacity as needed**

- **Start with a fixed number of processors**
- **Activate one or more additional processors – as needed.**

IBM delivers "extra" processor capacity . . . built directly into iSeries servers

The iSeries Model 840 is available with extra processors built-in, but not initially activated. Three new CUoD processor features come with a base number of processors "active" and a number of on-demand processors available for activation. The CUoD processors are available in 8/12 (eight base processors with four on-demand), 12/18 (12 base processors with six on-demand), or 18/24 (eighteen base processors with six on-demand) configurations.

Temporary Activation Option

The Temporary Activation Option allows all of the processors on the server to be activated for up to 14 days. The Temporary Activation Option gives you IMMEDIATE access to dynamic capacity and provides an excellent opportunity to try out the full processor capability of the server prior to permanent activation. A system IPL is not required. Changes to LPAR partitions to use the increased number of processors requires an IPL.

During the 14-day temporary activation, the customer should order permanent activation for the number of processors needed to maintain the desired level of overall performance. When a permanent activation (for any number of processors) is installed, a new 14-day Temporary Activation Option for the remaining on-Demand processors is activated.

Permanent Activation

Permanent Activation is accomplished by ordering feature code #1604 - CUoD Activation. One FC is required for each processor being activated. A detailed step-by-step outline for the order process associated with CUoD Activation Codes can be reviewed in a white paper called: "Planning Guide for iSeries Capacity Upgrade on Demand". This white paper can be found at: ibm.com/eserver/iseries/ondemand

P0D Processors	#2352 8-Way/12-Way	#2353 12-Way/18-Way	#2354 18-Way/24-Way
	8 A/4 CUoD	12 A/6 CUoD	18 A/6 CUoD
Processor CPW	12,200-12,400	12,200-16,500	16,500-20,200
Interactive CPW	120-10,000	120-16,500	120-20,200
Max Main Storage	131MB	131MB	131MB
Max DASD Capacity	37.98TB	37.98TB	37.98TB

CUoD Processor Conversion

Upgrade paths within CUoD processor options offer you the ability to grow your iSeries eServer as your business grows, while leveraging your existing investments.

The upgrade price is based on the charges associated with moving from a fully activated CUoD Processor. A two-step upgrade process is used to upgrade from one CUoD Model-Processor to another CUoD Model-Processor or to a Standard Model-Processor.

Call 800 IBM-CALL to assist find out more about:

1. Model 840 CUoD ordering
2. Activation of additional CUoD processors
3. Order additional processors as business needs change

For more information - ibm.com/servers/eserver/iseries

**New
CUoD
processor
features**
allow upgrades
from 730, 740, or
840.

**Upgrade
iSeries
830**
to 840 CUoD.
See pages inside
5 & 6 for details.

visit

ibm.com/shop/iseries

call 800 426-2255

Big business performance, small business price

iSeries Model 270



12 Month
Limited
Warranty



Tuned for the performance demands of the Web, e-commerce, Java applications, and data marts.

■ **FASTER PROCESSORS** boost top performance **20+% over the original Model 270**

■ **THREE BASE PROCESSOR** features are designed for CPU intensive workloads

■ **Capacities include:**

– CPW up to 2,400

– **2X MAIN STORAGE (Memory)** up to 16GB

■ **8X OPTICAL STORAGE CAPACITY** when using the DVD-RAM

■ **HSL OPTIONS, ENABLE FIBRE CHANNEL ADAPTERS, COMMUNICATION FEATURES, and OTHER I/O OPTIONS** in this powerful entry server

■ **Optional Integrated xSeries Server for iSeries with a 1GHz Pentium III processor**

■ **Use the systems management tools and I/O devices of your iSeries to control your internal or external xSeries PC Server with the Integrated xSeries Adapter**

■ **Top-to-bottom scalability of 24 times**

■ **Preloaded with OS/400 V5R1**

■ **Five processor points including a 2-Way option supporting up to four Logical Partitions**

■ **Supports up to three Linux partitions**

■ **Processor upgrades supported**

■ **High-Speed Links** between the system unit, the I/O tower, and external xSeries servers

■ **Optional 1Gbps high-speed Ethernet LAN adapter**

■ **Optional 100Mbps high-speed token-ring adapter**

■ **V.90 integrated modem** in the base system

■ **Optional interactive performance for mixed workloads on selected processors.**

Model 270 Capacity

Processor points	5
N-Ways	1, 2
Processor CPW	150 - 2400
Interactive CPW	0 - 70
Maximum main storage	16384MB
Maximum Disk arms	24
Maximum Disk storage	843GB
Maximum twinaxial workstations	240
Internal 1-way xSeries (Max)	2
External 4-way xSeries (Max)	2

CPW values are explained inside pages 5 & 6..

Lease & Purchase

financing available from **IBM Global Financing.** See page 27.

iSeries

Specifications are inside pages 5 & 6.

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ibm.com/shop/series

call 800 426-2255

*Big business performance, small business price***iSeries Model 270**

Whether you are looking for e-business success or building on existing applications, iSeries Model 270 servers are among the world's most proficient multi-workload servers

iSeries Model 270

It takes much more than raw power to accommodate the dynamic mix of workloads in today's e-business environment. Bus speeds, cache levels, switching rates, memory capacity, and many other system factors can dramatically affect the performance of your business server.

IBM has packed the power you need into the iSeries Model 270. The Model 270 can deliver the performance, reliability, scalability, and security you need for the world of e-business.

Advanced performance

Besides the Copper-based processors, the Model 270 provides a new PCI bus architecture with copper High-Speed Link (HSL) to connect the servers to an expansion tower or an external xSeries server.

Workload Balancing

iSeries servers offer significant advantages over earlier AS/400 models where system overhead reduces client/server capacity when the interactive threshold is exceeded. In the iSeries servers, interference with the client/server workload caused by excessive interactive workload is virtually eliminated.

Upgrade Considerations

Processor feature upgrades are supported within each iSeries model (for example, within the Model 270). Model upgrades are not supported into a Model 270.

For more information - ibm.com/servers/eserver/iserries

iSeries Model 270

Description - Feature	CPW	IA CPW	Purchase Price \$	SWG
Proc. #2248	150	25	*	P05
Proc. #2250	370	30	*	P10
Proc. #2250 - No IA	370	0	*	P10
Proc. #2431	465	30	*	P10
Proc. #2432	1070	50	*	P10
Proc. #2432 - no IA	1070	0	*	P10
Proc. #2434	2400	70	*	P20
Proc. #2434 - no IA	2400	0	*	P20

SWG = Software Group

IA = Interactive

* Call for latest prices.



The Model 270 has many expansion options. The Model 270 with built-in sidecar is shown above. Call for additional information.

**Two new iSeries Model 270s
are pre-configured for even
faster deployment**

*The IBM @server iSeries
powered by
WebSphere and the
IBM @server for J.D. Edwards
come pre-configured
for rapid deployment.
See pages 19 and 20 for
details.*

visit

ibm.com/shop/iserries

call 800 426-2255

Enhanced for Collaborative Commerce

iSeries Dedicated Server for Domino



12 Month
Limited
Warranty



A third generation of Dedicated Servers for Domino expand the scalability, capacity, and power with new, faster processor features, improved price/performance, and expanded support for more robust Domino application solutions.

You gain outstanding value when combined with Lotus Domino software. This tightly integrated solution delivers world-class reliability, manageability, and availability in support of Domino functions:

- e-mail and messaging
- Powerful collaborative tools for teams
- Rapid application development and Web enablement
- Offline computing (e.g., laptops, mobile sales force)
- Foundation for knowledge management initiatives

The iSeries Dedicated Server for Domino is particularly effective when combined with the partitioning capabilities of Domino Enterprise Server™ to support multiple Lotus Domino workloads (e.g., mail and Domino applications) on a single physical server.

Model 270 and Model 820 processor features – For entry Domino environments, the new Dedicated Server Model 270 processor features #2452 and #2454 improve response time and capacity.

For larger Domino environments, the Dedicated Server Model 820 processor features #2456, #2457, #2458 offer improved enterprise-class scalability and capacity with uni, 2-way and 4-way processors.

Unique demands on server resources call for exceptional power

The iSeries Dedicated Server for Domino delivers price/performance for Domino workloads. It is particularly effective when combined with the partitioning capabilities of Domino Enterprise Server* to allow multiple Domino workloads (e.g. mail and applications) on a single physical server.

Software this good deserves the best in reliability

Lotus Domino provides a vital foundation for messaging, applications, and Web serving. People depend on your server all day, every day, to help them work smarter and more effectively. With the outstanding reliability of the iSeries

Dedicated Server for Domino, your server is always there when you need it.

Go ahead... Mix and match

With the iSeries Dedicated Server for Domino, you don't need separate servers for different types of Domino applications. The unique subsystem architecture of OS/400 combined with the partitioning capabilities of Domino Enterprise Server lets you create separate Domino "servers," each devoted to a specific Domino workload. Your users think they have many specialized Domino servers, but your administrators know it's all on one reliable, easy-to-manage iSeries footprint – making them look like heroes and saving you money.

The new, expanded iSeries Dedicated Server for Domino extends these Domino for AS/400 values by delivering outstanding price/performance in environments where you choose to run stand-alone Domino workloads or Domino applications accessing DB2 UDB data on another iSeries or AS/400e server. You get the value of an iSeries server without paying for the capability to run non-Domino workloads on the same server.

The iSeries Dedicated Server for Domino can deliver new levels of price/performance for environments where servers are implemented solely for supporting Domino solutions.

Dedicated Server for Domino	Model 270	Model 820
Processor Features	2	3
N-Ways	1, 2	1, 2, 4
Processor CPW	100-240*	120-380*
Interactive CPW	0	0
Maximum Mail & Calendar Users (MCU)	6,866	11,909
Maximum Simple Mail Users (SMU)	7,580	14,840
Maximum main storage	16384MB	32768MB
Maximum Disk arms	24	237
Maximum Disk storage	844GB	8,334GB
Integrated xSeries Server Supported - 850MHz	2	4
Integrated xSeries Adapter	2	4
Ethernet LAN adapters Supported	1Gbps	1Gbps
Token-Ring adapters Supported	100Mbps	100Mbps

* Processor CPW available for non-Domino workload.

Now in 5 powerful configurations

Two new Model 270 DSD processor features provide excellent price/performance for entry Domino environments, with the power to handle mixed Domino workloads (e.g. e-mail, applications, Web serving). They provide expanded capacity and power (over prior iSeries DSD predecessors) – more memory and more network adapters.

Three new Model 820 DSD processor features, including a new 4-way configuration, move the iSeries Dedicated Server for Domino into the enterprise class. These new iSeries DSD provides up to 2x more memory, and more scalability than the previous high-end iSeries DSD.

Lease & Purchase

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available from
IBM Global
Financing.
See page 27.

visit

ibm.com/shop/iseries

call 800 426-2255

*Enhanced for Collaborative Commerce***iSeries Dedicated Server for Domino**

iSeries: the integrated Domino server with built-in operating system, security, database, and systems management.

The combination of Lotus Domino and iSeries has been widely hailed as a solution that brings the best together. The iSeries is quick to deploy, easy to manage, a champ at mixed Domino workloads and offers exceptional reliability.

Put your servers and your people where they belong

The iSeries Dedicated Server for Domino practically runs itself, without the daily care and feeding that LAN-based solutions need. You can automate many administrative tasks to run unattended at night. Domino for iSeries even has a "watchdog" job to automatically restart a Domino server if necessary, without affecting any other Domino work on the iSeries server. Your administrators can access any Domino server remotely. So you can put your iSeries Dedicated Server for Domino and your administrative staff where it makes the most sense for your business – in the same room or on opposite ends of the country.

The iSeries Dedicated Server for Domino is priced to aggressively compete with Intel-based servers and deliver a better single-server solution for multiple Domino workloads.

Upgrades are available within these DSD models but not between the two models (i.e. Model 270 to 820).

Sample Entry Domino Mail Server Model 270 Configuration (<100 users)[†]

iSeries Dedicated Server for Domino (270-2452 Uni)	* Call for latest prices.
256MB Memory	
2 x 17.54GB Disk	
100/10Mbps Ethernet LAN Adapter	
Operation Console Cables	
DVD-RAM	
OS/400 V5R1	

Sample Domino Mail/Application Server Model 270 Configuration (<250 users)[†]

iSeries Dedicated Server for Domino (270-2452 Uni)	* Call for latest prices.
512MB Memory	
4 x 17.54GB Disk	
RAID Controller	
4GB ¼" Cartridge Tape Drive	
100/10Mbps Ethernet LAN Adapter	
Operation Console Cables	
CD-ROM	
OS/400 V5R1	

Sample Domino Web Server Model 820 Configuration[†]

iSeries Dedicated Server for Domino (820-2456 Uni)	* Call for latest prices.
1GB Memory	
4 x 17.54GB Disk	
RAID Controller	
4GB ¼" Cartridge Tape Drive	
100/10Mbps Ethernet LAN Adapter	
Redundant Power & Cooling	
Operation Console Cables	
CD-ROM	
OS/400 V5R1	

[†] These configurations are provided as examples only. For detailed sizing of Domino for iSeries servers in your environment, use the Workload Estimator at ibm.com/iSeries/domino and review the results with your IBM Business Partner or Sales Representative.

Requirements:	Domino Server Software sold separately. Call for hardware and software requirements.
----------------------	--

See inside pages 6 and 7 for complete server specifications, plus the performance details for Simple Mail Users (SMU), Mail/Calendar Users (MCU) and Processor and Interactive CPW ratings.

Model 270 - Dedicated Server for Domino

Feature Processor	MCU ^{††}	Processor CPW	Base Server Price \$	SWG
2422	1,600	50	*	P05
2423	2,570	100	*	P05
2424	5,050	200	*	P10
2452	3,070	100	*	P10
2454	6,660	240	*	P10

Model 820 - Dedicated Server for Domino

Feature Processor	MCU ^{††}	Processor CPW	Base Server Price \$	SWG
2425	2,570	100	*	P05
2426	5,610	200	*	P10
2427	9,890	300	*	P10
2456	3,110	120	*	P05
2457	6,660	240	*	P10
2458	11,810	380	*	P10

^{††} Maximum Mail and Calendar Users at 70% CPU utilization

SWG = Software Group

* Call for latest prices.

For more information - ibm.com/servers/eserver/iseries/domino

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call 800 426-2255

*iSeries rack offerings***iSeries Rack Mounting**

Rack mounting can conserve valuable floor space. Five additional iSeries rack configurations can now be ordered.

- **An empty iSeries rack**
- **An iSeries rack with one Model 270 server**
- **An iSeries rack with two Model 270 servers**
- **An iSeries rack with one Model 830 server**
- **An iSeries rack with a Base 1.8m I/O Tower for a Model 840 Server**
- **An iSeries rack with a Base 1.8m I/O Tower and a PCI Expansion Tower for a Model 840 server**
- **An iSeries rack with one PCI Expansion Tower**
- **An iSeries rack with two PCI Expansion Towers**
- **An iSeries rack with one to four PCI Expansion Units.**

iSeries racks have the same appearance as iSeries models. They provide additional flexibility and supplement the previous model specific rack options. An empty rack can be ordered with specified options to be added before shipment. The racks provide optional power distribution with one to four Power Distribution Units (PDUs). Each PDU has six power sockets.

NOTE: The #5074 and #9079 units cannot be plugged into a Power Distribution Unit (PDU). All other racked units plugging into a PDU will require a PDU line cord (#1422).

The iSeries racks are 1.8 meters high (36 EIA units) with EIA standard 19-inch width. Empty space will have filler panels.

CONVERSIONS TO HSL TOWERS

Feature conversions are now available for the following iSeries expansion towers:

- #5065 (Storage/PCI Expansion Tower) to #5074 (PCI Expansion Tower)
- #5066 (1.8m I/O Tower) to #5079 (1.8m I/O Tower)
- #5075 (PCI Expansion Tower) to #5074 (PCI Expansion Tower)

These conversions allow you to upgrade to newer, faster, more functional HSL-attached I/O towers.

Customers with #5065/5066 towers can now convert them for direct HSL attachment to iSeries 8xx models. This may allow them to eliminate the space and maintenance cost of the migration tower while retaining their #5065/5066 investment. The 5074/5079 towers also provide additional functionality – including the ability to support integrated xSeries for iSeries servers.

Customers needing to add towers to their existing 6xx/Sxx/7xx models can now add a #5065/5066 with the knowledge that they will be able to convert it to a #5074/5079 in the future.

Customers considering an 820 can now feel comfortable purchasing a #5075 with the knowledge that if additional expansion is needed in the future, it can be converted to the larger, more functional #5074 tower.

While most features from the old towers are supported in the new towers, many will require no-charge feature conversions because the feature number is different in the new tower. A few features are not supported in the new towers, and must be either re-installed in the system unit, or replaced with a new feature.

Call 800-IBM-Call for additional details and pricing information.

For more information - ibm.com/servers/eserver/series

**RACK
ENHANCEMENTS**
See page inside 5
& 6 for details.

Integrate a PC Server into your iSeries

Integrated xSeries Server for iSeries

Advantages of PC Server Consolidation on the iSeries:

- **Lower cost and simplified maintenance, operations and administration**
- **Raised levels of availability, reliability, and service**
- **Leveraged I/O investments in tape, CD-ROM and disk drives.**

Now with more speed and memory

Do you need a PC server with your iSeries? Instead of a stand-alone PC, just plug an Integrated xSeries Server for iSeries into your iSeries or an Integrated Netfinity Server (formerly called the Integrated PC Server or IPCS) into your AS/400e.

New Integrated xSeries Server for iSeries

PC integration on iSeries is enhanced with the new Integrated xSeries Server for iSeries feature.

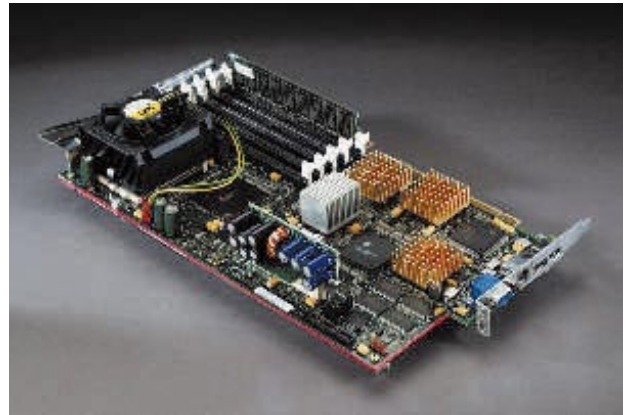
Integrated xSeries Server for iSeries - 1GHz

Processor	Intel 1GHz Pentium III processor
Cache	256K of on-chip L2 cache
Bus	100 MHz front side bus
Memory	Up to 4GB (max 3712MB addressable) 128MB, 256MB, 1GB ECC SDRAMs available
Video	S3 Savage4 video adapter with 32 MB of video RAM2
LAN Adapters	1-3 10/100 Mbps Ethernet 4/16/100 Mbps Token-Ring
Ports	2 Universal Serial Bus (USB) ports
Capacity	Up to 16 Integrated xSeries Servers depending upon model
Servers	iSeries server 270, 820, 830, 840, SB2, SB3 with OS/400 V4R5

* Note: A display must be connected to the Integrated xSeries Server to support the Windows server, FC #0325 (Extension Cable for Windows) and a keyboard and mouse attachment is required.

Feature	Description	Price \$
2799	Integrated xSeries Server for 8xx Models	*
2795	128MB Server Memory	*
2796	256MB Server Memory	*
2797	1GB Server Memory	*
4838	100/10MBPS Ethernet IOA	*
2744	100MBPS Token-Ring IOA	*
2899	Integrated xSeries Server for Model 270	*
2895	128MB Server Memory	*
2896	256MB Server Memory	*
2897	1GB Server Memory	*
0325	Extension Cables	*
1700	Keyboard and Mouse	*

* Call for latest prices.



Integrated solutions for server consolidation - These products allow you to deploy PC servers without adding the costs of managing a server farm.



The Integrated xSeries Server for iSeries has received the Microsoft logo for Windows 2000 and Windows NT.

For more information -
ibm.com/servers/eserver/series/windowsintegration

Available for iSeries

*Lower your costs of managing
a PC Server farm – add an
external 2-way or 4-way
xSeries with the Integrated
xSeries Adapter.
See pages 23-25.*

visit

ibm.com/shop/series

call 800 426-2255

Integrated
xSeries
Adapter

See page 23.

Expandability for a small business and an attractive price

iSeries Model 250

iSeries Model 250 highlights:

- **New packages of this affordable server – offer price/performance for small businesses**
- **You get the full complement of AS/400e application support along with special software packaging**
- **Offers packaged interactive performance for traditional (mixed-workload) applications**
- **Entry point to the iSeries family offerings**
- **Interactive CPW 15 - 20; Processor CPW 50 - 75**
- **Up to 1GB main storage**
- **Up to 10 arms of DASD**
- **Both Ethernet 100/10Mbps LAN and twinaxial IOAs**
- **333MHz Integrated Netfinity Server Support**
- **4GB 1/4 inch cartridge tape**
- **PCI 2-line WAN IOA with modem.**

IBM iSeries Model 250

The IBM iSeries Model 250 offers hardware and software packaging, flexibility, expandability, and simple operation all at an affordable price! It is an outstanding choice for transaction serving, data serving, or 5250 interactive applications.

Special Software Packaging

Software included at no additional charge:

- OS/400 V5R1
- AS/400 Client Access Family for Windows
- DB2 Query Manager and SQL Development Kit for iSeries
- Query for iSeries

Plus it offers an introduction of the PPS processor group, the ability to purchase additional software at P05 processor group level, and it is available with iSeries Software Subscription.

The iSeries Model 250 is available through IBM Business Partners for all industries. Software developers may order a model 250 directly from IBM.

NOTE: Customers with a requirement to grow into compute-intensive e-business applications should also evaluate the iSeries model 270.



Lease & Purchase
financing
available from
IBM Global Financing.
See page 27

Model 250 Capacity

Processor points	2
N-Ways	1
Processor CPW	50, 75
Interactive CPW	15, 20
Maximum main storage	1024MB
Maximum Disk arms	10
Maximum Disk storage	175.4GB
Maximum twinaxial workstations	240
Integrated Netfinity Server	333MHz
Ethernet LAN adapter	100Mbps
Token-Ring adapter	16Mbps

For more information - ibm.com/series

Model 250

Description - Feature	Purchase Price \$	Total Purchase Price \$	Monthly Maintenance Charge \$
Base System Cabinet	*	NA	NA
Entry Package #0297 256MB, 35GB Disk Mirrored to 17.54 Usable, CD-ROM	*	*	*
Growth Package #0298	*	*	*

* Call for latest prices.

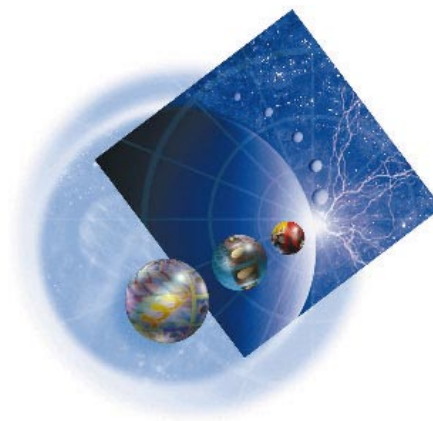
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call 800 426-2255

Easier to install, use and manage!

IBM @server iSeries Powered by WebSphere



■ **Special offering combining hardware, software, and services**

■ **Two offerings – Entry and Growth – based on workload requirements**

■ **Set-up Wizard can reduce configuration time to less than one hour**

■ **iSeries delivers low total cost of ownership.**

The IBM @server iSeries Powered by WebSphere provides the perfect vehicle for those looking for a custom solution to their e-business needs. It is the easiest way for you to start using IBM WebSphere Application Server to extend your existing applications to the Web and to build new Web-based business-to-business and business-to-customer applications.

The offering consists of an iSeries Model 270 with IBM WebSphere software (WebSphere Application Server V4

and WebSphere Development Studio for iSeries) pre-loaded and set up for iSeries. Also included is a Wizard that helps configure WebSphere Application Server quickly so you can achieve a faster ROI. The time saving goes from as much as 80 hours down to less than 1 hour.

Two offerings, each delivering exactly the same functions, have been sized based on workload requirements:

- **"Entry"** is ideal for small-to-medium businesses or departments with light workloads that are trying to web enable their applications
- **"Growth"** is ideal for companies doing more Web-based application development with larger workloads.

Regardless of your choice, you also receive the world-class dependability, reliability and scalability for which IBM is famous.

For more information - ibm.com

Configuration Examples	
Entry	Growth
Powered by WebSphere RPQ	Powered by WebSphere RPQ
Operating System/400 V5R1	Operating System/400 V5R1
WebSphere Development Studio for iSeries	WebSphere Development Studio for iSeries
WebSphere application Server AE V4.0	WebSphere application Server AE V4.0
iSeries Model 270 1-way processor	iSeries Model 270 2-way processor
PCI RAID Disk Unit Controller	PCI RAID Disk Unit Controller
1 GB Main Storage	1 GB Main Storage
Five 8.5GB 10K RPM Disk Units	Nine 8.5GB 10K RPM Disk Units
DVD-RAM	DVD-RAM
PCI 100/10MBPS Ethernet IOA	PCI 100/10MBPS Ethernet IOA
Operations Console	Operations Console
Operations Console PCI Cable	Operations Console PCI Cable

Pricing Examples		
	Entry	Growth
Powered by WebSphere Hardware	*	*
Powered by WebSphere Software		
OS/400, DB2 UD	*	*
WebSphere Development Studio (includes 1 yr maintenance)	*	*
WebSphere Application Server AE 4.0 (includes 1 yr. Maintenance)	*	*
Total	*	*
Rebate	*	*
NET Price	*	*

NOTE: This solution can be combined with any currently available WebSphere Application Server for iSeries promotion.

* Call for latest prices.

Uniquely packaged and priced

IBM @server for J.D. Edwards

- **Competitively Priced**
- **Simple to implement**
- **Easy to maintain**
- **Flexible, open and Web-enabled**
- **Reliable and Scalable.**

An industry first: Both IBM and J.D. Edwards logos on the same machine!

Rarely does a hardware provider and a software developer both put their names on a server. But it's more than the logos. First, it's been packaged for a complete J.D. Edwards solution. The J.D. Edwards solution includes not only the IBM @server, the latest operating system and custom memory and disk configurations, but also the Model 270 components usually added on as "extras": a tape system with auto loader, a UPS (uninterruptible power supply), RAID, CD-ROM drive, the necessary programming utilities, a world-class database and a 24x7 service warranty.

The IBM @server for J.D. Edwards includes an 850MHz Integrated xSeries Server (or Integrated xSeries Adapter card) that can be used to support an Intel-based solution such as the deployment server for OneWorld or one of the new supply chain management modules that are part of J.D. Edwards Advance Planning Solution suite.

From a hardware point of view, there are four specific configurations of the IBM @server for J.D. Edwards; two for new OneWorld implementations and two for WorldSoftware implementations (see detailed config tables below).



Now comes the best part, both IBM and J.D. Edwards have put special pricing in place to make this solution even more compelling. IBM offers special pricing for OneWorld and WorldSoftware configurations. To complete this picture, J.D. Edwards has put together special pricing for their software, allowing new OneWorld customers to take advantage of the IBM @server for J.D. Edwards.

For more information - ibm-jdedwards.com

IBM @server for J.D. Edwards - Sample Configurations				
	100 OneWorld Users	200 OneWorld Users	World Customer with Extensions or Coexistence up to 50 CPW interactive	World Customer with Extensions or Coexistence up to 70 CPW interactive
Processor	Model 270 - 2432	Model 270 - 2434	Model 270 - 2432	Model 270 - 2434
Interactive Feature	0 (FC 1516)	0 (FC 1516)	50 (FC 1519)	70 (FC1520)
Memory	2.5GB minimum	4.5GB minimum	2.5GB minimum	4.5GB minimum
Disk	228GB minimum (13 arms)	298GB minimum (17 arms)	228GB minimum (13 arms)	298GB minimum (17 arms)
Deployment Server	IXA or IXS	IXA or IXS	IXA or IXS	IXA or IXS
J.D. Edwards Software	OneWorld	OneWorld	World or OneWorld	World or OneWorld

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The new IBM z800

IBM @server zSeries: ***Premium accessibility meets powerful self-protection.***

Introducing a breakthrough server that offers the innovative technology and application flexibility needed to help you lower business costs, improve efficiency and safely expedite critical e-business transactions. The new IBM @server zSeries 800 has the features of a traditional mainframe, but also runs Linux®, letting you consolidate the mixed workload that has become so central to e-business success.

This smaller mainframe's dedication to Linux can have far-reaching benefits. Since Linux only requires open-source skills, more people at your enterprise will be able to access the z800 without special training. And with one z800 server, you can integrate multiple types of applications that would otherwise require many traditional servers. So choosing the compact z800 could bring you significant savings when it comes to total cost of acquisition and ownership.

All eight models in the z800 server family set a new standard for powerful infrastructure management and quality of service. The comprehensive offerings of the z800 can help your organization plan and implement applications and middleware, manage capacity, allocate physical resources, test possible IT solutions and much more. And it has been designed to avoid or recover from failures and deliver the highest level of application availability for today's global networked environment.

Security is also a key z800 advantage. Built with technologies from Project eLiza, IBM's blueprint for self-managing systems, this server brings e-business security to a new level with the integrated safety features of z/Architecture, LDAP (Lightweight Directory Access Protocol), hardware encryption, SSL (Secured Sockets Layer) and other self-protecting technologies.

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ibm.com/servers/eservers/zseries

Integrated xSeries Adapter for iSeries: Open, secure and efficient.

Now you don't have to choose between performance, security and savings. The IBM Integrated xSeries Adapter for iSeries helps you deploy more Windows® PC servers and applications. Attach up to 16 standard 4-way IBM xSeries @server (depending upon the iSeries model) to a single external iSeries via high-speed link. Then you can leverage the storage consolidation and systems management advantages of iSeries, including powerful enterprise-wide security features. Best of all, managing multiple Windows 2000 servers from a single iSeries can dramatically cut your costs.

The xSeries Adapter provides a unique level of integration between the xSeries and the iSeries. It enables the iSeries to consolidate and extend its server, storage and user management functions to all attached xSeries servers – allocating and managing up to 2TB of disk storage per Windows server – while securely providing remote management of PC servers in distributed offices. You get greater scalability to safely run more mission-critical Windows 2000 Server applications, plus the ability to integrate more Windows users and applications with your iSeries. Overall, the xSeries Adapter can help your enterprise achieve the right balance between openness, security and cost.

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The benefits of an integrated server plus more scalability and flexibility

Integrated xSeries Adapters



New



PCI slots in the xSeries server add the flexibility to attach more feature devices; for example, modem and CD-ROM towers.

Place an Integrated xSeries Adapter into new xSeries servers as they become available. Take advantage of the latest Intel® processors in N-Way configurations.

For more information -
ibm.com/eserver/iseries/windowsintegration

Type	Mod	Description	Price \$
1519	100	Integrated xSeries Adapter	*

* Call for latest prices.



- Proven application solutions
- Windows Storage Area Network Management
- Reduced user administration costs
- Simplified recovery protection
- Improved server administration
- Flexible server availability.

The Integrated xSeries Adapter allows an IBM xSeries server to be directly attached to an IBM iSeries model 8xx or 270, extending iSeries integration with Windows 2000 Server and Windows 2000 Advanced Server to xSeries high-performance Intel servers.

A PCI-based Integrated xSeries Adapter, when plugged into selected IBM xSeries models, connects to the iSeries server via the High Speed Link (HSL) and System Power Control Network (SPCN). SPCN integrates the xSeries server into the iSeries power control architecture. HSL connects iSeries disks, CD-ROM, DVD, and tape drives to the xSeries server. The xSeries 250, xSeries 350, Netfinity 7100 and Netfinity 7600 servers are supported in this configuration.

When integrated with the iSeries, the xSeries server contains no hard drives. An IBM xSeries server, directly attached via the High-Speed Link to iSeries models 8xx and 270, operates like an Integrated xSeries Server. The Windows 2000 disks are housed in the iSeries, and its operations and backup can be integrated with OS/400 operations. The major difference of the Integrated xSeries Adapter is the scalability of the xSeries servers they attach and that they are housed in their own separate units.

Integrated xSeries Adapter Benefits

Add an xSeries to your iSeries for superb manageability, scalability and flexibility

- *Proven Application Solutions – xSeries server is certified to support Windows 2000 Server*
- *Windows Storage Area Network Management*
 - *Disk space*
 - *RAID protection*
 - *Backup/recovery facilities*
 - *Storage management*
- *Reduce User Administration Costs – Create users once, synchronize user profiles and passwords*
- *Simplify Recovery Protection – OS/400 save operations back up OS/400 and Windows 2000 Server storage spaces*
- *Improved Server Management – OS/400 operator can manage Windows server operations and backup*
- *Flexible Server Availability – If one Windows server fails, applications can easily be brought back online.*

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Servers
on pages 24-25.

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Reliability and performance for business critical applications

IBM @server xSeries Model 250



With power, scalability, manageability, and serviceability, the xSeries 250 is a reliable server platform to confidently run your business-critical, e-business applications.

- **Choice of powerful Pentium III Xeon processors**
 - 900 MHz with 2 MB L2 cache
 - 700 MHz with 2 MB L2 cache
 - 700 MHz with 1 MB L2cache
- **512MB Chipkill ECC system memory**
- **Six 64-bit PCI expansion slots – Four active PCI slots**
- **Integrated Advanced System Management Processor with two RS-485 ports and a serial port**
- **Two 250-watt, hot-swap power supplies and hot-swap redundant fans Supports two additional hot-swap redundant power supplies**
- **Integrated 10/100 Mbps Ethernet, dual-channel Wide Ultra2 SCSI, and SVGA video controllers**
- **Two serial ports, one parallel port, two USB ports, a mouse port, and a keyboard port.**

The xSeries 250 is a universal server. Universal servers are designed to be the most scalable to allow for maximum internal expansion (flexibility under the covers) to help customers with their increasing and varied IT demands. The versatility of these machines lends itself to function as a tower or in a rack as necessary.

For more information - ibm.com/eserver/xseries

Product No.	Description	Price \$
866561Y	Tower, 700 MHz/1 MB, 512 MB	*
866571Y	Tower, 700 MHz/2 MB, 512 MB	*
866581Y	Tower, 900 MHz/2 MB, 512 MB	*
86656RY	Rack, 700 MHz/1 MB, 512 MB	*
86657RY	Rack, 700 MHz/2 MB, 512 MB	*
86658RY	Rack, 900 MHz/2 MB, 512 MB	*

Note: When attached to the iSeries via the Integrated xSeries Adapter the following capabilities are not fully utilized:

■ New flexibility with Ultra160 SCSI split backplane – Optional configurations support up to 364 GB* single-channel or dual-channel RAID protected, hot-swap disk storage

■ Fourteen bays – Standard diskette drive and 48x-20x2 CD-ROM, ten hot-swap bays, and two 5.25-3.5-inch, half-high bays

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Connect your xSeries with Windows 2000 . . .

*The xSeries with iSeries integration
can help you*

- *Reduce User Administration Costs*
- *Simplify Recovery Protection with OS/400 save & backup operations*
- *Improved Server Management through remote or in-house systems management*
- *Flexible Server Availability – If one Windows server fails, applications can easily be brought back online through the iSeries support.*

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High performance Intel-based server designed for speed, configurability, and scalability

IBM eServer xSeries Model 350



High-density, four-way SMP-capable rack servers with power, scalability, control, and serviceability to handle your networked business-critical e-business applications:

- Choice of powerful Pentium III Xeon processors
 - 900 MHz/2 MB cache
 - 700 MHz/2 MB cache
 - 700 MHz/1 MB cache

■ 512 MB of ECC Chipkill 100 MHz SDRAM system memory 16 GB maximum

■ Integrated dual-channel Ultra160 SCSI controller

■ Three standard hot-swap HDD bays and an optional Netfinity® 3-Pack Ultra160 Hot-Swap Expansion Kit

■ Six Active PCI slots

■ Standard Advanced System Management Processor enables remote systems management

■ Diskette drive and 48x-20 CD-ROM

■ Integrated 10/100 Mbps Ethernet and SVGA video controllers.

The name xSeries comes from IBM® X-architecture. This design leverages IBM leadership to deliver:

- Hot, innovative technologies for readiness in enterprises of all sizes
- Highly scalable servers that are primed for growth
- Servers that are priced right for your business

The 4U, rack-optimized xSeries 350, is the dominant, high-performance 4-way enterprise server built for speed and reliability and offering a polished system design with smooth configurability and maximum scalability.

... to an iSeries with the new Integrated xSeries Adapter

Use the iSeries for Windows Storage Area Network (SAN) Management

- Disk space
- RAID protection
- Backup/recovery facilities
- Storage management

For more information - ibm.com/eserver/xseries

Product No.	Description	Price \$
86824RY	Rack, 700 MHz/1MB, 512MB	*
86825RY	Rack, 700 MHz/2MB, 512MB	*
86826RY	Rack, 900 MHz/2MB, 512MB	*

* Call for latest prices.

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