Extremely reliable and flexible 4-way, 4U, 64-bit server for optimized server applications

IBM *@*server **xSeries 450**

Remote Supervisor Adapter, Light Path Diagnostics™ and component redundancy featuring N+N power supplies enhance reliability and help reduce downtime.

Out-of-the-box flexibility
Built on IBM XpandOnDemand™ scalability, the x450 delivers up to twice the PCI-X I/O capacity of its nearest 4-way Itanium2 processor-based competitor (requires optional RXE-100 Remote Expansion Enclosure). Award-winning IBM systems management tools make managing IT resources simple in today's on demand world.

Competitive performance
The x450 supports up to 40GB of DDR Chipkill memory, 146GB[1] of Ultra320 SCSI storage and dual Gigabit Ethernet. Proven IBM chipset technology, including 64MB of XceL4™ Server Accelerator Cache, significantly reduces memory access latency for most database and ERP workloads.

Highlights

■ *Outstanding system reliability helps protect mission-critical data.*

■ *Advanced capabilities and industry-leading density save data center floor space.*

■ *Competitive performance helps you work harder and faster.*

■ *IBM Enterprise X-Architecture™ technology delivers remote I/O scalability.*

The IBM *@*server™ xSeries® 450 is a 64-bit, Intel® Itanium® 2-based server built for high performance and value. The x450 handles memory-intensive applications ranging from DB2 and Oracle database serving to enterprise applications including SAP and SAS.

OnForever reliability
IBM OnForever™ technology lets you configure the x450 for high availability. Components such as Active Memory™ (Chipkill™ memory, Memory ProteXion™ and memory mirroring), Active™ PCI-X slots, the

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xSeries 450 at a glance

Form Factor	Rack/4U
Processor	Intel Itanium2 processor at up to 1.5GHz
Number of processors (std/max)	1/4
Cache (max)	Up to 6MB L3 and up to 64MB L4
Memory (std/max)	1GB/40GB PC2100 DDR Chipkill™ memory
Expansion Slots	Six 64-bit PCI-X (2 at 133MHz, 2 at 100MHz and 2 at 66MHz) with optional 12 PCI-X slots via RXE-100 Remote Expansion Enclosure
Disk bays (total/hot-swap)	2/2
Storage controller	Ultra320 SCSI on board
Maximum internal storage	146.8GB[1]
Network	Integrated dual 10/100/1000 Ethernet
Power supply (std/max)	2 1050W/2
Hot-swap components	Power supply, fans, Active PCI-X adapters and hard disk drives
RAID support	Integrated RAID-1, optional ServeRAID controllers for RAID-5
Systems management	Remote Supervisor Adapter
Operating systems supported	Windows Server 2003 Enterprise Edition, Linux® (SuSE Enterprise Server, Red Hat Advanced Server)
Limited warranty[2]	1-year onsite limited warranty

For more information:

World Wide Web

U.S.	**ibm.com**/pc/us/eserver/xseries/x450.html
Canada	**ibm.com**/pc/ca/eserver/xseries/x450/more_about.shtml

IBM @server xSeries Options

U.S.	**ibm.com**/pc/us/eserver/xseries/storage
Canada	**ibm.com**/pc/ca/eserver/xseries/options

IBM TotalStorage™ Products

ibm.com/totalstorage

On demand

ibm.com/services/ondemand

Reseller locator and general information

U.S.	1 800 426-7777
Canada	1 800 426-7777