

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



IBM **@server** xSeries 450



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

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, 146GB¹ of Ultra320 SCSI storage and dual Gigabit Ethernet. Proven IBM chipset technology, including 64MB of XcelL4™ Server Accelerator Cache, significantly reduces memory access latency for most database and ERP workloads.

Visit **ibm.com** to locate an IBM reseller or for more information



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¹ GB = 1,000,000,000 bytes when referring to storage capacity. Accessible capacity is less.

² For a copy of the IBM Statement of Limited Warranty, call 1 800 426-7378. Telephone support may be subject to additional charges. For onsite labor, IBM will attempt to diagnose and resolve the problem remotely before sending a technician.

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 warranty²	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
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Reseller locator and general information

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