

A versatile, 2-way server with high availability and scalability features for growing businesses



IBM *@*server xSeries 232



Highlights

- **An innovative design incorporates the latest Intel® Pentium® III processors to run business applications**
- **Superior internal scalability and availability features to help eliminate downtime and meet unpredictable future demands**
- **Intelligent management tools help pinpoint problems, maintain your server and expedite repairs before performance is affected**
- **Choice of rack models or towers that convert to rack models gives you implementation flexibility**

High performance in a versatile package

The IBM *@*server xSeries 232, with its versatile design and high-performance features, allows you to respond quickly to surges in infrastructure demands—whether caused by 20 new employees in regional headquarters or by rapid worldwide expansion. The x232 5U chassis delivers incredible internal scalability for increasing workloads. Its innovative design also enables tower models to convert to rack-mounts, for the move to a denser computing environment when you need it.

Superior internal scalability

You can expand the six hot-swap drive bays of the x232 to nine for a total of 660.6GB¹ storage, or add a full-high DLT tape drive for critical data protection. Because Ethernet and SCSI are built into the system board, all five I/O slots are available for a wide range of adapters—which means even more functionality or workload capacity.

Maximizing uptime

Optional redundant, hot-swap power supplies and fans permit replacement on the fly, without disrupting operations. Predictive Failure Analysis[®] proactively notifies you of pending issues with key components so that you can remedy problems before they interrupt service. To optimize server productivity, the Integrated System Management processor enables remote management capabilities and complements the server hardware instrumentation by reporting on many conditions. Additionally, independently powered Light Path Diagnostics[™] provides an illuminated path to help you locate and replace problem components quickly.

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xSeries 232 at a glance

Form factor	Tower or rack-optimized 5U
Processor	Intel Pentium III 1.0GHz, 1.13GHz-S or 1.40GHz-S
Number of processors (std/max)	1/2
Level 2 cache	256 or 512KB
SDRAM memory (std/max)	256MB/4GB ¹ ECC SDRAM
PCI I/O slots	5; (2) 64-bit/66MHz, (2) 64-bit/33MHz, (1) 32-bit/33MHz
Internal hard disk drives	Open bay
Maximum internal storage	660.6GB (with 3-pack hot-swap HDD kit)
Bays	10; (6) 3.5", (2) 5.25", (1) diskette, (1) CD-ROM
PCI disk controller	Dual Ultra160 SCSI
RAID support	Via optional SCSI ServeRAID™ adapter
Network	Integrated 10/100 Ethernet
I/O ports	2 serial, 2 USB, 1 Ethernet, 1 keyboard, 1 mouse, 1 video, 1 RS485
CD-ROM/diskette drive	48X ² /1.44MB
Power supply	1x385W or 2x250W hot-swap
Cooling fans	4 hot-swap and redundant
Systems management	Alert on LAN™ 2, Automatic Server Restart, IBM Director, IBM ServerGuide™, Integrated System Management processor, Light Path Diagnostics (independently powered), Predictive Failure Analysis (PFA) on hard disk drives, processors, VRMs, fans and memory, Wake on LAN®
Operating systems supported	Linux® (Red Hat, SuSE, Caldera, TurboLinux), Microsoft® Windows ® 2000, Windows NT® 4.0, Novell NetWare, SCO UnixWare
Limited warranty³ and support	3-year onsite limited warranty, IBM Startup Support

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03-02
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¹ GB equals 1,000,000,000 bytes when referring to storage capacity. Accessible capacity is less.

² CD drives list the maximum rates; rates are variable and are often less than the maximum.

³ For a copy of the IBM Statement of Limited Warranty, call 1 800 772-2227. Telephone support may be subject to additional charges. For onsite service, IBM sends a technician after attempting to diagnose and resolve the problem remotely.

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