IBM *@server* **xSeries 236**

Keep systems up and running

Advanced availability enhancements on the x236 provide high system reliability to keep critical applications online. Choices in integrated RAID-0, -1 or -10 or optional RAID adapters offer new levels of versatility, including new IBM ServeRAID™-7k supporting RAID-5 without taking up a PCI slot. New memory availability features, hot-spare and memory mirroring, help minimize errors when running memory-intensive applications. Support for up to nine hot-swap SCSI drives and hot-swap fans and power supplies help keep components available when mainte- nance is needed.
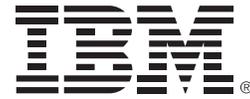
Simplify infrastructure through systems management

New, integrated systems management features—including power control, text redirection and IPMI compliance—help reduce administration time and expenses. The new Remote Supervisor Adapter II SlimLine card provides virtual remote control of the server without using a PCI slot.

Highlights

- **The latest Intel® Xeon™ Processors deliver rich 32-bit performance and support Intel® Extended Memory 64 Technology (Intel® EM64T)**

- **New availability features, including memory mirroring, Active PCI and RAID integra- tion, help improve uptime**

- **New systems management integration delivers ultimate control**

Leverage 64-bit performance

The IBM *@server®* xSeries® 236 delivers enhanced performance for workgroup messaging, collaboration and business-critical applications. New support for 64-bit technology through Intel® EM64T provides outstanding performance and reliability for critical mail and collaboration applications. The 64-bit capability, combined with system enhancements including large memory support up to 16GB[1] DDR2 memory and new high-speed I/O with PCI- Express, provides balanced system performance.

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xSeries 236 at a glance

Form factor/height	5U tower with tower-to-rack kit
Processor (max)	Intel® Xeon™ Processor up to 3.60GHz/800MHz front-side bus supports Intel® Extended Memory 64 Technology
Number of processors (std/max)	1/2
Cache (max)	1MB L2
Memory[2] (max)	512MB or 1GB/16GB[1] PC2-3200 DDR2 via 8 DIMM slots
Expansion slots	6 available (1x PCI-X 133MHz Active PCI-X, 2x PCI-X 100MHz, 2x PCI-Express, 1x 32-bit/33MHz)
Disk bays (total/hot-swap)	6/6 (9 bays via 3-pack option)
Maximum internal storage[2,3]	1.3TB Ultra320 SCSI
Network interface	Dual integrated 10/100/1000 Ethernet
Power supply (std/max)	1/2 670W
Hot-swap components	Power supply, fans, disk drives and 1 Active PCI slot
RAID support	Integrated RAID-0, -1, -10, optional RAID-5
Systems management	Automatic Server Restart; Predictive Failure Analysis® on hard disk drives, processors, VRMs, fans and memory; light path diagnostics with externally visible information panel; Integrated System Management Processor; optional Remote Supervisor Adapter II SlimLine; IBM Director and ServerGuide™
Operating systems supported	Microsoft® Windows® Server 2003, Windows 2000 Server/Advanced Server, Novell Netware, Red Hat® Linux® and SUSE LINUX
Limited warranty[4]	3-year onsite limited warranty

For more information

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[1] When 2GB PC2-3200 DIMMs are available.

[2] Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest capacity supported drives available. When referring to variable speed CD-ROMs, CD-Rs, CD-RWs and DVDs, actual playback speed will vary and is often less than the maximum possible.

[3] GB and TB = 1,000,000,000 and 1,000,000,000,000 bytes, respectively, when referring to storage capacity. Accessible capacity is less.

[4] **Visit ibm.com**/pc/safecomputing **periodically for the latest information on safe and effective computing. Warranty Information:** For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC 27709, Attn: Dept. JDJA/B203. IBM makes no representation or warranty regarding third-party products or services, including those designated as ServerProven or ClusterProven. Telephone support may be subject to additional charges. For onsite labor, IBM will attempt to diagnose the problem remotely before sending a technician.

XSD00360-USEN-00