

Rock-solid, long-life business-critical application server for data-dense environments



IBM System x3650



Highlights

- **Get superior performance with new dual-core or quad-core processors and faster memory**
- **Use new integrated solutions to manage your resources**
- **Protect IT investments with scalable memory, I/O and storage on a long-life server platform**

New levels of speed and performance

For constrained data center environments, the IBM System x3650 offers unprecedented performance and reliability. Optimized for up to eight-core processor performance, the x3650 delivers rack-dense, dual-core or quad-core computing power, an impressive 12 DIMM memory design and super-efficient network communication.

Integrated enterprise-class management

Innovation comes standard on the x3650. Anywhere/anytime management keeps assets under control. IBM PowerExecutive™ delivers

advanced control, monitoring power consumption while achieving decreased cooling costs. The optional RSA II SlimLine card keeps slots free while expanding systems management functionality.

Protect your IT investment

Scalable memory and I/O design satisfy high-speed processing and reliability requirements, while integrated RAID safeguards data. Hot-swap power and cooling with Calibrated Vektored Cooling and IBM PowerExecutive help keep your server cool. The result? Run two different workloads on a two-socket server—without running out of IT funds.

Select configurations of the x3650 are part of the IBM Express Portfolio™ designed and priced to meet the needs of midsized businesses. Reliable and easy to manage, Express models/configurations vary by country.

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BUILT FOR MID-SIZED BUSINESS.



IBM System x3650 at a glance

Form factor/height	Rack/2U
Processor (max)	Dual-Core Intel® Xeon® Processor 5160 up to 3.0 GHz and up to 1333 MHz front-side bus or Quad-Core Intel Xeon Processor E5320 up to 1.86 GHz and up to 1066 MHz front-side bus
Number of processors (std/max)	1/2
L2 cache	2x2MB (dual-core) or 2x4MB (quad-core)
Memory ¹ (std/max)	1GB or 2GB/48GB Fully Buffered DIMM 667 MHz via 12 DIMM slots
Expansion slots	4 PCI-E or 2 PCI-X and 2 PCI-Express
Disk bays (total/hot-swap)	8/8
Maximum internal storage ^{1,2}	1.8TB hot-swap SAS
Network interface	Integrated dual Gigabit Ethernet
Power supply (std/max)	835W 1/2
Hot-swap components	Power supply, fans and hard disk drives
RAID support	Integrated RAID-0, -1, -10, optional RAID-5, -6
Systems management	IBM PowerExecutive (included with IBM Director), Integrated Service Processor, Diagnostic LEDs, drop-down light path diagnostics panel, Automatic Server Restart, optional Remote Supervisor Adapter II SlimLine, IBM Director, IBM ServerGuide™ and optional Remote Deployment Manager
Operating systems supported	Microsoft® Windows® Server™ 2003, Windows 2000/Advanced Server, Red Hat Linux®, SUSE Linux, Novell NetWare, VMware ESX Server 2.5
Limited warranty ³	3-year onsite limited warranty

For more information

World Wide Web

U.S.	ibm.com/systems/x
Canada	ibm.com/ca/en/systems/x
Extended Design Architecture™	ibm.com/servers/eserver/xda/index.html

¹ 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 currently 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.

² When referring to storage capacity, GB = 1,000,000,000 bytes and TB = 1,000,000,000,000 bytes. Accessible capacity is less.

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