

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



IBM System x3650



Highlights

- ***Go green and save with new dual-core or energy-efficient quad-core processors and faster memory***
- ***Manage growth and complexity by using new integrated solutions to easily 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 Systems Director Active Energy

Manager™ 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 Vectors Cooling™ and IBM Systems Director Active Energy Manager help keep your server cool. The result? Run multiple workloads on a two-socket server—without running out of IT funds.

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

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IBM System x3650 at a glance

Form factor/height	Rack/2U
Processor (max)	Dual-Core Intel® Xeon® X5270 up to 3.50 GHz and up to 1333 MHz front-side bus or Quad-Core Intel Xeon X5470 up to 3.33 GHz and up to 1333 MHz front-side bus
Number of processors (std/max)	1/2
L2 cache	2x2 or 2x6 MB (dual-core) or 2x6 MB (quad-core)
Memory ¹ (std/max)	1 GB or 2 GB/48 GB Fully Buffered DIMM 667 MHz via 12 DIMM slots
Expansion slots	4 PCI-Express or 2 PCI-X and 2 PCI-Express
Disk bays (total)	Six 3.5" or eight 2.5" (SFF)
Maximum internal storage ^{1,2}	1.8 TB hot-swap SAS or 6.0 TB hot-swap SATA
Network interface	Integrated dual Gigabit Ethernet
Power supply (std/max)	835W 1/2 AC standard, DC power supply optional
Hot-swap components	Power supply, fans and hard disk drives
RAID support	Integrated RAID-0, -1, -10, optional RAID-5, -6
Systems management	IBM Systems Director Active Energy Manager, Integrated Service Processor, Diagnostic LEDs, drop-down light path diagnostics panel, Automatic Server Restart, optional Remote Supervisor Adapter II SlimLine, IBM Systems 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, Solaris 10 (planned)
Limited warranty ³	3-year customer replaceable unit and onsite limited warranty

World Wide Web

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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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