

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™ for x86 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 for x86 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 Portfolio™ designed and priced to meet the needs of midsized businesses. Reliable and easy to manage, Express models/configurations vary by country.

### **Get it now**

---

go to **ibm.com/systems/x** or call 1 888 **ShopIBM**

to buy direct or to locate an IBM reseller



## IBM System x3650 at a glance

<b>Form factor/height</b>	Rack/2U
<b>Processor</b> (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 X5460 up to 3.16 GHz and up to 1333 MHz front-side bus
<b>Number of processors</b> (std/max)	1/2
<b>L2 cache</b>	2x2 or 2x6 MB (dual-core) or 2x6 MB (quad-core)
<b>Memory</b> <sup>1</sup> (std/max)	1 GB or 2 GB/48 GB Fully Buffered DIMM 667 MHz via 12 DIMM slots
<b>Expansion slots</b>	4 PCI-Express or 2 PCI-X and 2 PCI-Express
<b>Disk bays</b> (total)	Six 3.5" or eight 2.5" (SFF)
<b>Maximum internal storage</b> <sup>1,2</sup>	1.8 TB hot-swap SAS or 6.0 TB hot-swap SATA
<b>Network interface</b>	Integrated dual Gigabit Ethernet
<b>Power supply</b> (std/max)	835W 1/2 AC standard, DC power supply optional
<b>Hot-swap components</b>	Power supply, fans and hard disk drives
<b>RAID support</b>	Integrated RAID-0, -1, -10, optional RAID-5, -6
<b>Systems management</b>	IBM Systems Director Active Energy Manager for x86, 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
<b>Operating systems supported</b>	Microsoft® Windows Server® 2003, Windows® 2000/Advanced Server, Red Hat Linux®, SUSE Linux, Novell NetWare, VMware ESX Server, Solaris 10 (planned)
<b>Limited warranty</b> <sup>3</sup>	3-year customer replaceable unit and onsite limited warranty

## For more information

### World Wide Web

U.S.	<a href="http://ibm.com/systems/x">ibm.com/systems/x</a>
Canada	<a href="http://ibm.com/ca/en/systems/x">ibm.com/ca/en/systems/x</a>
Extended Design Architecture™	<a href="http://ibm.com/servers/eserver/xda/index.html">ibm.com/servers/eserver/xda/index.html</a>

<sup>1</sup> 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.

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

<sup>3</sup> IBM hardware products are made from new parts, or new and serviceable used parts. Regardless, our warranty terms apply. 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®.

© Copyright IBM Corporation 2008

January 2008  
All Rights Reserved

This publication could include technical inaccuracies or photographic or typographical errors. This publication was produced in the United States. IBM may not offer the products, services or features discussed in this document in other countries, and the information may be subject to change without notice. References herein to IBM products and services do not imply that IBM intends to make them available in other countries. Consult your local IBM business contact for information on the products or services available in your area.

Information about non-IBM products is obtained from the manufacturers of those products or their published announcements. IBM has not tested those products and cannot confirm the performance, compatibility, or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

IBM, the IBM logo, Calibrated Vectors Cooling, ClusterProven, Express Portfolio, IBM Systems Director Active Energy Manager, ServerGuide and ServerProven, ServeRAID, System x and Wake on LAN are trademarks or registered trademarks of IBM Corporation in the United States, other countries or both. For a list of additional trademarks, go to [ibm.com/legal/copytrade.shtml](http://ibm.com/legal/copytrade.shtml).

Intel and Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries or both.

Microsoft, Windows and Windows server are trademarks or registered trademarks of Microsoft Corporation in the United States, other countries or both.

Other company, product and service names may be trademarks or service marks of others.