

Reduce cost, improve service and manage risk with exceptional power-optimized performance, virtualization and management



IBM System x3650 M2



Highlights

- **Reduce cost with an energy-smart design that provides optimal computing performance per watt**
- **Improve service with a flexible design that is easy to deploy, integrate and manage**
- **Manage risk with resilient architectures and virtualized environments**

Energy-efficient profile

The IBM® System x3650 M2 offers robust, proven technology and a flexible, Energy Star-compliant design. Delivering quad-core computing on Intel® Xeon® 5500 Series processors with QuickPath Interconnect technology, this server delivers significant performance improvement per watt compared to previous generation servers by integrating low-wattage components for an energy-smart thermal profile.

Powerful systems management

The x3650 M2 offers feature-rich management capabilities from power management to proactive hardware monitoring. The Integrated Management Module (IMM)

increases server availability by continuously monitoring your system and notifying you of potential system failures or changes. The Virtual Media key option provides remote presence capabilities without taking up a slot on the planar, while IBM Systems Director Active Energy Manager™ delivers advanced power monitoring and notification.

Designed for virtualization

Designed to provide leadership virtualization, the x3650 M2 supports the VMware ESXi 3.5 embedded hypervisor, the industry-leading solution for virtualization. In addition, the x3650 M2 provides exceptional memory per core, enabling you to implement virtualization efficiently and cost-effectively.

Select configurations of the x3650 M2 are part of the IBM Express Advantage™ Portfolio, designed to meet the needs of midsized businesses. Easy to manage, Express™ models/configurations vary by country.



IBM System x3650 M2 at a glance

Form factor/height	2U rack
Processor (max)	Up to 2 quad-core Intel Xeon 5500 Series with Intel QuickPath Interconnect (QPI) technology, up to 2.93 GHz and up to 1333 MHz front-side bus
Number of processors (std/max)	1/2
Cache (max)	Up to 8 MB
Memory¹ (max)	1 GB, 2 GB, 4 GB or 8 GB DDR-3 RDIMMs with 16 slots up to 128 GB maximum memory (planned availability 2Q 2009)
Expansion slots (I/O)	4 PCI-Express (4x8) Gen 2 slots: 2x8 full-length, full-height; 1x8 half-length, full-height; 1x8 low-profile. 4x8 are convertible to 2x16 via optional risers. Also, 2x PCI-X via optional risers
Disk bays (total/hot-swap)	Up to twelve (2.5") hot-swap SAS/SATA or solid state HDDs
Maximum internal storage^{1,2}	Up to 3.6 TB hot-swap Serial Attached SCSI (SAS) or up to 3.6 TB hot-swap Serial ATA (SATA) or up to 600 GB hot-swap solid state (SSD) local storage
Network interface	Integrated dual Gigabit Ethernet (2 ports standard, plus 2 ports optional)
Power supply (std/max)	1/2; 675 W each
Hot-swap components	Power supplies, fans, HDDs
RAID support	Hardware RAID-0, -1, optional RAID-5
Systems management	IBM IMM with Virtual Media Key for optional remote presence enablement, Predictive Failure Analysis®, Integrated Service Processor, Diagnostic LEDs, light path diagnostics panel, Automatic Server Restart, IBM Systems Director and IBM Systems Director Active Energy Manager, IBM ServerGuide™
Operating systems supported	Microsoft® Windows Server® 2003, Red Hat Enterprise Linux®, SUSE Linux Enterprise Server, TurboLinux Enterprise Server, Novell NetWare and VMware ESXi 3.5 embedded hypervisor (planned availability 2Q 2009)
Limited warranty³	3-year customer replaceable unit and onsite limited warranty

For more information

World Wide Web

U.S.

ibm.com/systems/x

Canada

ibm.com/ca/en/systems/x

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 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.

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

³ 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®.

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