

Rack-dense, power-optimised server with leadership performance, virtualisation and easy management



IBM System x3550 M2



Highlights

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

Energy-efficient profile

The IBM System x3550 M2 offers robust, proven technology and a flexible, energy-smart design. Delivering quad-core computing on Intel® Xeon® 5500 Series processors with QuickPath Interconnect (QPI) 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

This server offers feature-rich systems 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 provides advanced power monitoring and notification.

Leadership virtualisation

Designed to provide leadership virtualisation, the x3550 M2 supports the VMware ESXi 3.5 embedded hypervisor, the industry-leading solution for virtualisation. In addition, the x3550 M2 provides exceptional memory capacity per core, enabling you to implement virtualisation efficiently and cost-effectively.

Select configurations of the x3550 M2 are part of the IBM Express Advantage Portfolio, designed to meet the needs of mid-sized businesses. Easy to manage, Express models/configurations vary by country.

For more information:

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IBM System x3550 M2 at a glance

Form factor/height	1U rack
Processor (max)	Up to two quad-core Intel Xeon 5500 Series with Intel 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 Double Data Rate (DDR)-3 Registered Dual Inline Memory Module (RDIMM) with 16 dual inline memory modules (DIMM) slots – up to 128 GB maximum memory (planned availability 2Q 2009)
Expansion slots	2 PCI-Express x16 Gen 2 slots; one is half-length, full-height and one is low-profile (each slot convertible to PCI-X with riser option)
Disk bays (total/hot-swap)	Up to six (2.5") hot-swap Serial Attached SCSI (SAS)/Serial Advanced Technology Attachment (SATA) or solid-state drives (SSD)
Maximum internal storage^{1,2}	Up to 1.8 TB hot-swap SAS or up to 1.8 TB hot-swap SATA or up to 300 GB hot-swap SSD local storage
Network interface	Integrated dual Gigabit Ethernet (GbE) (2 ports standard, plus 2 ports optional)
Power supply (std/max)	1/2; 675 W each
Hot-swap components	Power supplies, fans, Hard Disk Drives (HDDs)
Redundant Array of Independent Disks (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 Light Emitting Diodes (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® (RHEL), SUSE Linux Enterprise Server (SLES), TurboLinux Enterprise Server, Novell NetWare and VMware ESXi 3.5 embedded hypervisor (planned availability 2Q 2009)
Limited warranty³	Three year customer replaceable unit (CRU) and on-site limited warranty

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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 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.

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