



Highlights

- Allows greater flexibility with storage upgrade options and increased memory capacity
- Enables high availability with enhanced RAID support and integrated systems management tools
- Leverages latest Intel® Xeon® technology for faster processing speeds and energy-smart design



IBM System x3500 M3

High-performance, scalable tower server brings rock-solid reliability to your desk side

Grow at your own pace

A high-performance dual-socket tower server, the IBM System x3500 M3 provides generous bandwidth, storage and expanded memory capacity up to 192 GB. Start with a single Intel Xeon six-core processor, and add a second to double your processing capability. You can even add processors, storage and memory independently of one another for maximum configuration flexibility.

Stay up and running

With no single point of failure, the x3500 M3 is designed to run the most demanding applications reliably. New 6 Gbps RAID, more RAID adapters and more concentrated memory support higher availability, while integrated systems management tools provide control of resources from anywhere for simplified serviceability.

Build on the latest technology

The x3500 M3 takes advantage of the latest Intel Xeon technology with extreme processing power and superior energy efficiency. Low-voltage memory, cooling features and energy-smart design enable lower power, lower heat and less noise. At the same time, IBM Systems Director Active Energy Manager™ can help you keep costs down and track, monitor and measure power consumption.

Select configurations of the x3500 M3 are part of the IBM Express Advantage® Portfolio designed to meet the needs of mid-sized businesses. Easy to manage, Express® models and configurations vary by country.





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IBM Systems and Technology Group
Route 100
Somers, New York 10589

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IBM System x3500 M3 at a glance

Form factor/height	Tower/5U (rack-mountable)
Processor (max)	Intel Xeon 5500/5600 processors (six-core Intel Xeon X5680 3.33 GHz or four-core Intel Xeon X5677 3.46 GHz up to 6.4 GTps QPI system speed)
Number of processors (std/max)	1/2
Cache (max)	12 MB
Memory (max)	16 DIMM slots maximum, 192 GB with DDR-3 1333 MHz RDIMMs or 48 GB with DDR-3 1333 MHz UDIMMs
Expansion slots	Six PCIe and one PCI standard; additional two PCI-X available via configure to order and requires removal of one PCIe slot
Disk bays (total/hot-swap)	8/8 or 16/16 2.5" hot-swap standard; 24/24 2.5" hot-swap or 8/8 3.5" hot-swap or 4/0 3.5" simple swap (available via configure to order only)
Maximum internal storage	14.4 TB of 2.5" hot-swap SAS/SATA (HDD upgrade options required) or 16.0 TB of 3.5" hot-swap SAS/SATA (via configure to order only)
Network interface	Broadcom 5709S onboard NIC with dual Gigabit Ethernet ports with TOE
RAID support	Integrated 6 Gbps or 3 Gbps hardware RAID-0, -1, -1E, optional RAID-5, -6, -10, -50, -60
Systems management	Automatic Server Restart; Predictive Failure Analysis on hard disk drives, processors, voltage regulator modules (VRMs), fans and memory; light path diagnostics; integrated management module; remote presence; IBM Systems Director and IBM Systems Director Active Energy Manager
Operating systems supported	Microsoft® Windows® Server 2008 R2, Red Hat Enterprise Linux®, SUSE Linux Enterprise, VMware ESX and ESXi
Limited warranty	3-year customer replaceable unit and onsite limited warranty

For more information

World Wide Web

U.S. ibm.com/systems/x/

Canada ibm.com/systems/ca/en/servers/x/index.html