IBM System x3650 M3

Performance-optimized server for mission-critical applications

- Improve cost-effectiveness with higher performance per watt

- Simplify management and serviceability with flexible design

- Manage risk with resilient architectures and virtualized environments

Packed with innovation

The IBM System x3650 M3 provides outstanding performance for your mission-critical applications. Its energy-efficient design supports more cores, memory and disk capacity in a scalable 2U package that's easy to service and manage. With more computing power per watt and the latest Intel® Xeon® processors, you can reduce costs while maintaining speed and availability.
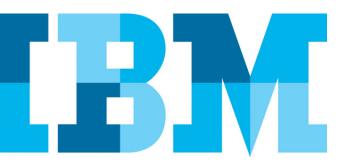
Simplify management and serviceability

The x3650 M3 offers a flexible, scalable design and simple upgrade path to 16 HDDs or SSDs, and 192 GB of memory. Comprehensive systems management tools such as advanced diagnostics, a cable management arm and the ability to control resources from a single point make it easy to deploy, integrate, service and manage.

Reduce risk and maintain availability

With new 6 Gbps RAID adapters integrated and double the I/O performance, the x3650 M3 provides a resilient architecture ideal for mission-critical applications as well as virtualization environments. Advanced memory support and greater disk capacity let you take advantage of higher processing speeds without sacrificing uptime.

Select configurations of the x3650 M3 are part of the IBM Express Advantage™ Portfolio designed to meet the needs of midsized businesses. Easy to manage, Express™ models and configurations vary by country.

IBM System x3650 M3 at a glance

Form factor/height	Rack/2U
Processor (max)	Up to two 3.33 GHz six-core (3.46 GHz four-core) Intel Xeon 5600 series processors with QuickPath Interconnect technology, up to 1333 MHz memory access speed. Supports select Intel Xeon 5500 series via configure to order
Number of processors (std/max)	2
Cache (max)	Up to 12 MB L3
Memory (max)	192 GB DDR-3 RDIMMs[1] via 18 DIMM slots or 48 GB DDR-3 UDIMMs[1] via 12 DIMM slots
Expansion slots	4
Disk bays (total/hot swap)	Up to 16 2.5" hot-swap Serial Attached SCSI (SAS)/Serial ATA (SATA) HDDs or solid-state drives (SSDs)
Maximum internal storage	Up to 8.0 TB hot-swap SAS or up to 8.0 TB hot-swap SATA or up to 800 GB hot-swap SSD storage
Network interface	Integrated 2 ports, plus 2 ports optional Gigabit Ethernet
Power supply (std/max)	1/2; 675 W each
Hot-swap components	Power supplies, fan modules, disks
RAID support	Hardware RAID-0, -1, -1E or RAID-0, -1, -10 (additional option -5 with Self Encrypting Disk (SED) function) or RAID-0, -1, -10, -5, -50 with 256 MB or 512 MB cache (additional option -6,-60 with SED function and additional option battery backup), model dependent
Systems management	IBM Integrated Management Module (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® 2008 R2 and 2008, Red Hat Enterprise Linux®, SUSE Linux Enterprise Server and VMware ESXi 4.0 embedded hypervisor, Sun Solaris 10
Limited warranty	3-year customer replaceable unit and onsite limited warranty

For more information

World Wide Web

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