



Highlights:

- Improve cost-effectiveness with higher performance per watt
- Simplify management and serviceability with flexible design
- Manage risk with resilient architectures and virtualized environments



IBM System x3650 M3

Performance-optimized server for mission-critical applications

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® 5500/5600 series processors with QuickPath Interconnect technology
Number of processors (std/max)	1/2
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 hot-swap SAS/SATA HDDs or SSDs
Maximum internal storage	8.0 TB of 2.5" hot-swap SAS/SATA or 800 GB hot-swap SSD
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	3 Gbps RAID -0, -1, -1E or 6 Gbps RAID -0, -1, -10, -5, -50 with 256 MB or 512 MB cache and additional option battery backup, model dependent
Systems management	IBM IMM with Virtual Media Key for optional remote presence enablement, Predictive Failure Analysis, Diagnostic LEDs, light path diagnostics panel, IBM Systems Director and IBM Systems Director Active Energy Manager™
Operating systems supported	Microsoft® Windows Server® 2008 R2 and 2008, Red Hat Enterprise Linux®, SUSE Linux Enterprise Server, VMware ESX and ESXi 4.0, Sun Solaris 10
Limited warranty	3-year customer replaceable unit and onsite limited warranty

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¹ Maximum RDIMM support for 192 GB when 16 GB DIMMs are available in 2Q 2010, and maximum UDIMM support for 48 GB when 4 GB DIMMs are available in 2Q 2010.



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