



Highlights

- Incorporates outstanding features and capabilities in an ultra-dense design
- Offers advanced flexibility and expandability to meet changing business requirements
- Balances processing power, memory and I/O bandwidth to optimize productivity and performance



IBM System x3750 M4

Exceptional flexibility and performance in a dense 2U, 4-socket design

Innovative ultra-dense design

Within a dense 2U design, the IBM System x3750 M4 provides advanced features and capabilities. These include support for up to four sockets and 48 DIMMs, mix and match internal storage, up to 16 HDDs or 32 eXFlash SSD drives, six hot-swap dual rotor fans, two power supplies and integrated 1 Gigabit Ethernet (GbE) and 10 GbE networking with options for fiber or copper.

Pay as you grow

The x3750 M4 blends outstanding flexibility and expandability. The unique 2+2 socket design enables pay-as-you-grow processing and memory expansion to help lower cost and manage growth. The 5+3 PCIe socket design allows you to pay for I/O capabilities as needed. The x3750 M4's capabilities and performance allow clients to reduce total cost of ownership (TCO) by up to 52 percent over four years by consolidating multiple 2-socket servers into fewer 4-socket x3750 M4 servers.¹

Optimized for high-performance computing

The x3750 M4 excels in high performance computing (HPC), offering a balance of high computational power with high IOP local storage and fast I/O to external SAN storage. With an ultra-dense design, the x3750 M4 can help conserve floor space and lower data center power and cooling costs. Flexible eXFlash SSD storage options can deliver extreme internal storage performance to support your most demanding applications. The x3750 M4 is ideal for applications and workloads that have outgrown their 2-socket systems but do not require mission-critical RAS and availability features.





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IBM Systems and Technology Group
Route 100
Somers, NY 10589

Produced in the United States of America
May 2012

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¹ Four-year TCO savings of up to 52% based on Intel estimates by comparing 100 2-socket Intel Xeon E5-2609-based servers to 32 4-socket Intel Xeon processor E54607-based servers that provide equivalent total performance using Intel estimates of SPECint_rate_base2006.

* Various combinations of 2.5" SAS/SATA and 1.8" SSD in a single configuration are supported



Please Recycle

IBM System x3750 M4 at a glance

Form factor/height	2U Rack
Processor (max)	Up to four 4-, 6- or 8-core Intel Xeon E5-4600 series processors
Number of processors (std/max)	4
Cache (max)	Up to 20 MB per processor
Memory (max)	Up to 1.5 TB via 48 slots with 32 GB LR-DIMM
Expansion slots	Five x8 low-profile PCIe Gen3 slots. Optional three x16 (mechanical) x8 (electrical) full-height/half-length PCIe Gen3 slots on an expansion riser
Media bays	Optional DVD drive
Disk bays (total/hot-swap)	Up to sixteen 2.5" HDDs or up to thirty-two 1.8" eXFlash SSDs*
Maximum internal storage	Up to 16 TB (2.5" HDD), 6.4 TB (1.8" eXFlash SSD)
Network interface	Embedded controller that supports 2 ports of 1 GbE (std.) and dual 10 GbE copper or fiber options
Power supply (std/max)	900 W or 1400 W (1 standard, 2 maximum)
Hot-swap components	Fan modules, hard disk drives, eXFlash SSD drives, power supply
RAID support	IBM ServeRAID-M5110e RAID on motherboard, integrated 6 Gbps hardware. RAID-0/-1 (std) with -5/-50 and -6/-60 upgrades
Systems management	IBM IMMv2 with remote presence, Predictive Failure Analysis, Diagnostic LEDs, light path diagnostics panel, Automatic Server Restart, IBM Systems Director Active Energy Manager™
USB ports	2 front/2 back/2 internal
VGA ports	1 front/1 back
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere
Limited warranty	3-year customer replaceable unit and on-site limited warranty, next business day 9x5, service upgrades available

For more information

To learn more about the IBM System x3750 M4, visit:

ibm.com/systems/x/hardware/rack/x3750m4/index.html

or contact your IBM representative or IBM Business Partner.