IBM

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

- Easy to deploy, integrate, service and manage

IBM System x3750 M4

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

Innovative ultra-dense design

With 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 solid state drives (SSDs), six hot-swap, dual-rotor fans and two power supplies. A Mezzanine LOM socket provides a choice of 1 Gigabit Ethernet (GbE) or 10 GbE networking options. Predictive Failure Analysis and light path diagnostics proactively monitor the system's sub-components and provide advanced warning on power supplies, fans, VRMs, disks, processors and memory.

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 consolidating multiple 2-socket servers into fewer 4-socket x3750 M4 servers.

Optimized for intensive workloads

The x3750 M4 excels at compute-intensive workloads, offering a balance of high computational power with the latest Intel Xeon E5-4600 v2 series processor, 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.

IBM System x3750 M4 at a glance

Form factor/height	2U Rack
Processor (max)	Up to four 4-, 6- 8-,10-or 12-core Intel Xeon E5-4600 v2 series processors
Number of proces-sors (std/max)	2/4
Cache (max)	Up to 30 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 expansion riser adds three (x8) full-height/half-length PCIe Gen3 slots or 1 (x16) and 1 (x8) full-height//half- length PCIe Gen3 slots.
Media bays	Optional DVD drive
Disk bays (total/hot-swap)	Up to sixteen 2.5-inch hard disk drives (HDDs) or up to thirty-two 1.8-inch eXFlash SSDs*
Maximum internal storage	Up to 19.2 TB (2.5-inch HDDs), 25.6 TB (1.8- or 2.5-inch SSDs)
Network interface	Mezzanine LOM socket providing choices of 1GbE and 10GbE networking. PCIe slots provide additional adapter options
Power supply (std/max)	750 W (DC), 900 W or 1400 W (1 standard, 2 maximum)
Hot-swap components	Fan modules, hard disk drives, eXFlash SSDs, power supply
RAID support	IBM ServeRAID-M5210e RAID on motherboard, with Gen3 SAS controller. RAID-0, -1, -10 (standard) with -5, -50 and -6, -60 upgrades
Systems management	IBM IMM2 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.