LENOVO SYSTEM x3750 M4

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

ULTRA-DENSE DESIGN

With a dense 2U design, the Lenovo® 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 1.8-inch 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 enable clients to reduce total cost of ownership (TCO) by consolidating multiple 2-socket servers into fewer 4-socket x3750 M4 servers.

INTENSIVE WORKLOADS

The x3750 M4 excels at compute-intensive workloads, offering a balance of high computational power with the latest Intel® Xeon® processors E5-4600 v2 series, 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 SSD storage options can deliver extreme internal storage performance to support your most demanding applications.

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SPECIFICATIONS

FORM FACTOR/HEIGHT	2U Rack
PROCESSOR (MAX)	Up to four 4-, 6- 8-,10-or 12-core Intel® Xeon® processors E5-4600 v2 series
MEMORY (MAX)	Up to 1.5 TB via 48 slots with 32 GB LR-DIMM, up to 30 MB per processor cache max
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	Up to sixteen 2.5-inch HDDs or up to thirty-two 1.8-inch eXFlash™ SSDs*
INTERNAL STORAGE	Up to 19.2 TB (2.5-inch HDDs) or 25.6 TB (SSDs) maximum
NETWORK INTERFACE	Mezzanine LOM socket providing choices of 1 GbE and 10 GbE networking, 8 PCIe slots
POWER SUPPLY	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	ServeRAID™-M5210e RAID on motherboard, with Gen3 SAS controller. RAID-0, -1, -10 (standard) with -5, -50 and -6, -60 upgrades
SYSTEMS MANAGEMENT	IMM2 with remote presence, Predictive Failure Analysis, Diagnostic LEDs, light path diagnostics panel, Automatic Server Restart, IBM Systems Director Active Energy Manager™
USB/VGA PORTS	USB: 2 front/2 back/2 internal; VGA: 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

* Various combinations of 2.5-inch SAS/SATA and 1.8-inch SSDs in a single configuration are supported.

OPTIONS

16 GB (1x16 GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600 MHz LP RDIMM	800 GB SATA 1.8" MLC Enterprise Value SSD	Emulex 8 GB FC Dual-port HBA
46W0672	00AJ350	42D0494
Add more memory to help improve the performance of all your workloads	High-performance, dense flash to accelerate applications	Market leading host bus attachment at 8 GB, the industry dominant interface speed

FOR MORE INFORMATION

About Lenovo or the System x3750 M4, or to contact your Lenovo representative, visit
ibm.com/systems/x/hardware/rack/x3750m4/index.html

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