IBM System x3650 M4

Innovative design with flexibility, performance and outstanding uptime

Highlights

- Innovative design, optimized for cost and performance, supports business-critical applications and cloud deployments

- Excellent RAS and outstanding uptime for an improved business environment

- Easy to deploy, integrate, service and manage

Optimized for cost and performance

The IBM® System x3650 M4 blends outstanding uptime, performance and I/O flexibility for cost efficiency and rock-solid reliability. The powerful server offers an energy-smart, affordable, and easy-to-use rack solution with a pay-as-you-grow design to help lower costs and manage risks. With more computing power per watt and the latest Intel Xeon E5-2600 series processors, advanced memory support, and greater disk capacity for businesses requiring extreme storage, the x3650 M4 offers balanced performance and density.

Outstanding uptime

With redundant hot-swap fans, disks and power supplies, the x3650 M4 provides a resilient architecture ideal for business-critical applications. Predictive Failure Analysis and light path diagnostics provide advanced warning on power supplies, fans, VRMs, disks, processors and memory. Redundant hot-swap components make it easy to replace failures without taking your system down.

New management features

The Integrated Management Module 2 (IMM2) and Unified Extensible Firmware Interface (UEFI) give the x3650 M4 a consistent system-level code stack for superior setup, configuration and ease of use. Optional Feature on Demand (FoD) remote presence provides the ability to manage, monitor and troubleshoot from anywhere. Powerful and easy-to-use tools can help you manage both physical and virtual resources.

Select configurations of the x3650 M4 are part of the IBM Express Portfolio™ designed to meet the needs of small and midsized businesses. Easy to manage, Express models vary by country.

IBM System x3650 M4 at a glance

Form factor/height	2U Rack
Processor (max)	Up to two 8-core Intel Xeon E5-2600 series processors
Cache (max)	20 MB per processor
Memory (max)	Up to 768 GB via 24 slots (UDIMM/RDIMM/ LRDIMM/HyperCloud DIMM)
Media bays	Optional ODD and tape drive bay
Disk bays	Sixteen 2.5" or six 3.5" HDDs or thirty-two 1.8" SSDs
RAID support	IBM ServeRAID M5110e RAID on motherboard, integrated 6 Gbps hardware RAID-0, -1, -10, and optional RAID-5, -50 or -6, -60
Power supply (std/max)	1/2 redundant 550 W ac, 750 W ac, 900 W ac, or 750 W dc (model dependent)
Hot-swap components	Power supplies, fan modules and hard disk drives
Network interface	4 × 1 GbE (std.), 2 × 10 GbE embedded adapter (slotless opt.)/Trusted Platform Module
Expansion slots	4 - 6 PCIe 3.0 ports, optional 4 PCI-X or 2 double-width PCIe (for GPU)
USB ports	2 front/4 back/2 internal
VGA ports	1 front/1 back
Maximum internal storage	Up to 16 TB (2.5" model) or 18 TB (3.5" model) SAS/SATA
Energy-efficiency compliance	Compliant with 80 PLUS® Platinum and ENERGY STAR® (model dependent)
Systems management	IBM IMM2 with optional FoD remote presence, Predictive Failure Analysis, Diagnostic LEDs, light path diagnostics panel, Automatic Server Restart, IBM Systems Director and Active Energy Manager™
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere
Limited warranty	3-year customer replaceable unit and onsite limited warranty, next business day 9x5, service upgrades available

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For more information

To learn more about the x3650 M4, visit: **ibm.com**/systems/x or contact your IBM representative or IBM Business Partner.