IBM System x3550 M4

Compact, high-performance two-socket server for a wide range of business-critical workloads

Highlights

- Two-socket, 1U rack server with innovative design, optimized for performance and reliability to support business-critical applications and cloud deployments

- Excellent reliability, availability, and serviceability (RAS) and outstanding uptime for an improved business environment

- Support for a wide range of business-critical applications, including cloud computing, virtual desktop, business analytics, High Performance Computing, SAP, and big data (as a management node)

- Easy to deploy, integrate, service and manage

Optimized for performance, reliability, and virtualization

The right choice when compromise is not an option, the IBM System x3550 M4 blends outstanding uptime, performance and I/O flexibility with rock-solid reliability for business critical workloads, including cloud computing, virtual desktop, business analytics, high performance computing, and SAP. This compact rack server offers an energy-smart, easy-to-use solution with a pay-as-you-grow design to manage risks. With more computing power per watt, support for the latest Intel Xeon E5-2600 v2 series processors and advanced memory support, the x3550 M4 offers balanced performance and density. Ideal for a wide range of business critical applications, including cloud computing and virtualization. Big things do come in small packages.

Uptime for business-critical applications

With redundant and hot-swap fans, disks and power supplies, the x3550 M4 provides a resilient architecture ideal for business-critical applications. 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. Redundant, hot-swap components make it easy to replace failures without taking your system down. Light path diagnostics displays a visible warning light indicator on a failing component, allowing time for component replacement prior to failure and facilitating high availability.

New management features

The Integrated Management Module 2 (IMM2) and Unified Extensible Firmware Interface (UEFI) give the x3550 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 tools can help you manage both physical and virtual resources.

Select configurations of the x3550 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

IBM System x3550 M4 at a glance

Form factor/height	1U Rack
Processors (max)	Up to two 12-core Intel Xeon E5-2600 v2 series processors
Cache (max)	30 MB per processor
Memory (max)	Up to 768 GB via 24 slots (UDIMM/RDIMM/LRDIMM)
Media bays	One optional ODD bay for 2.5-inch model
Disk bays	Eight 2.5-inch or three 3.5-inch hard disk drives (HDDs)
RAID support	Integrated 6 Gbps hardware RAID-0, -1, -10; optional RAID-5, -50 or -6, -60. Supports new 12 Gbps* RAID.
Power supply (std/max)	1/2 redundant 550 W AC, 750 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	2 PCIe 3.0 slots, optional 1 PCI-X
USB ports	2 (three for 3.5-inch model) front/4 back/1 internal
VGA ports	1 front/1 back
Maximum internal storage	Up to 12.8 TB (2.5-inch model) or 12 TB (3.5-inch model) SAS/SATA
Energy-efficiency compliance†	80 PLUS® Platinum and ENERGY STAR® (model dependent) Compliance
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 service, next business day 9×5, service upgrades available

For more information

To learn more about the x3550 M4, visit: **ibm.com**/systems/x or contact your IBM representative or IBM Business Partner.

ENERGY STAR