

Lenovo System x3650 M5

World-class performance and industry-leading reliability



Power Forward

With the powerful, versatile 2U two-socket System x3650 M5 rack server, you can run even more enterprise workloads, 24/7, and gain faster business insights. Integrated with up to two Intel® Xeon® processors E5-2600 v4 series (up to 44 cores per system), fast TruDDR4 2400MHz Memory, and massive storage capacity, the x3650 M5 fast forwards your business. You can select from an impressive array of storage configurations (up to 28 drive bays) that optimize diverse workloads from Cloud to Big Data.

Maximize Uptime

Lenovo servers have consistently achieved the highest reliability of all x86 servers in the industry. Predictive Failure Analysis and the next-generation diagnostic panel facilitate easy serviceability and reduced downtime and costs. Other high availability features on the x3650 M5 include dual fan zones with redundant fans, and hot-swappable drives and power supplies.

Lenovo Trusted Platform Assurance, a built-in set of security features and practices, protects the hardware and firmware. Also deploy self-encrypting drives using IBM Security Key Lifecycle Manager.

Simplify Provisioning and Management

Centrally automate discovery, inventory tracking, real-time monitoring, configuration, fault detection, alert handling, and OS/hypervisor installation over the lifecycle of your servers with [Lenovo XClarity](#), a best-in-class enterprise management tool. A mobile option enables you to securely manage your systems from Android and iOS devices.

Reduce Energy Costs

Energy-saving features such as dual fan zones and extended operating temperature ranges maintain advanced cooling. 80 PLUS® Titanium power supplies deliver up to 96 percent efficiency. With memory speeds up to 2400MHz and support for up to eight NVMe PCIe SSDs, the x3650 M5 lets your workloads fly.

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

Lenovo™

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Specifications

Form Factor/Height	2U Rack
Processor (max)/Cache (max)	Up to two 22-core Intel® Xeon® processors E5-2600 v4 series /Up to 55MB per processor
Memory (max)	Up to 1.5TB – 2400 MHz – with 64GB TruDDR4 Memory LRDIMMs; system supports RDIMM/LRDIMM
Disk Bays	Up to 24 front and 4 rear 2.5-inch HDDs/SSDs; or up to 12 3.5-inch and 2 rear 3.5-inch HDDs + 2 2.5-inch HDDs/SSDs; or up to 8 3.5-inch HDDs and 2 rear 3.5-inch or 2.5-inch HDDs/SSDs; up to 8 2.5-inch NVMe PCIe SSDs on 2.5-inch configurations
Maximum Internal Storage	Up to 120TB
RAID Support	12Gbps dedicated slot for the first RAID; support for up to four RAID adapters
Power Supply (std/max)	1/2 redundant 550W AC, 750W AC, 900W AC, 1500W AC, 900W DC 80 PLUS® Platinum, or 750W, 1300W AC 80 PLUS Titanium
Hot-Swap Components	Power supplies, fan modules and HDDs/SSDs
Network Interface	4 x 1GbE (std.) and 1 x IMM; optional 10/40GbE ML2 or PCIe adapter; Trusted Platform Module built-in
Expansion Slots	1 – 8 PCIe 3.0 slots (supports up to 4 GPUs and up to 1 x ML2) and 1 dedicated RAID slot
USB Ports/VGA Ports	Up to 3 x USB 2.0 front, 2 x USB 3.0 rear, 1 x USB 2.0 internal for hypervisor/1 front (optional) and 1 back
Energy-Efficiency	ENERGY STAR® compliance (model dependent); up to 40°C operating temp; 2 fan zones with up to 6 fans
Systems Management	Lenovo XClarity Administrator with mobile option; Lenovo XClarity Pro software bundle; Lenovo XClarity Energy Manager; IMM2.1
Operating Systems (OS) Supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware vSphere - (Optional USB Key or SD Media Adapter)
Limited Warranty	3-year customer replaceable unit and onsite limited warranty, next business day 9x5; upgrades available

Options

<p>64GB TruDDR4 Memory (4Rx4, 1.2V) PC4-19200 CL17 2400MHz LP LRDIMM</p> <p>46W0841</p> <p>Add up to 1.5TB TruDDR4 Memory to accelerate performance</p>	<p>SD Media Adapter with RAIDED VMware ESXi</p> <p>00FP644</p> <p>Pre-loaded SD Media Adapter card for bootable hypervisor</p>	<p>3.84TB 6Gb SAS Enterprise Capacity G3HS MLC SSD</p> <p>00NA671</p> <p>Enterprise capacity solid state drives for read-intensive applications</p>
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For More Information

To learn more about the x3650 M5, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/servers

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Learn more about Lenovo Storage
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