

Lenovo System x3250 M6

Enormous enterprise power in a tiny 1U/1P package

Lenovo™



Enterprise Features in a Tiny Package

The single-processor Lenovo System x3250 M6 packs enterprise class management, high-availability and security features into a tiny 1U form factor. Centrally automate discovery, inventory tracking, real-time monitoring, provisioning, firmware updates, fault detection and alert handling with [Lenovo XClarity](#), a simple-to-use resource management tool. Facilitate high uptime with redundant/hot-swap drives, fans and power supplies. Protect your hardware and firmware with integrated industry-unique Lenovo Trusted Platform Assurance, which includes a built-in Trusted Platform Module and optional security bezel. That's just the starting point.

High Performance

The x3250 M6 offers a choice of the latest Intel® processors (from Celeron® to Xeon® E3-1200 v5 series)—up to 30 percent faster than the previous generation. Plus, get up to 64GB of lightning-quick, low-latency 2133MHz TruDDR4 UDIMM memory for a robust system capable of powering workloads such as infrastructure and retail point of sale. The system comes with two integrated 1GbE ports and support for up to two optional 10GbE ports to handle the heaviest network communications. You also get storage flexibility and up to 24TB of capacity from a choice of up to four 3.5-inch hard disk drives (HDDs) or eight 2.5-inch HDDs/solid state drives (SSDs) in simple-swap or hot-swap formats.

Business Value

In addition to its affordable price, the x3250 M6 can save you money in many ways. Choose a model with a single fixed 300W power supply unit (PSU) or dual hot-swap/redundant 460W PSUs; both are 80 PLUS Gold-rated, for up to 92 percent energy efficiency for energy savings. Low-voltage Xeon® processors can use as little as 25W, and TruDDR4 DIMMs consume only 1.2V (35 percent less than 1.35V DDR3L DIMMs). And XClarity software can reduce provisioning time by up to 95 percent vs. manual operation.

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Specifications

Form Factor/Height/Depth	1U / 576mm (22.7 inches)
Processor (Max)/Cache (max)	Choice of one Intel® Xeon® E3-1200 v5 series, Core i3®, Pentium®, or Celeron®/up to 8MB
Memory	Up to 64GB of 2133MHz TruDDR4 ECC UDIMMs (4 slots)
Disk Bays	4 x 3.5-inch hot-swap/simple-swap or 8 x 2.5-inch hot-swap/simple-swap
Maximum Internal Storage	24TB 3.5-inch hot-swap SAS/SATA HDDs; 16TB 3.5-inch simple-swap SATA HDDs; 16TB 2.5-inch hot-swap/simple-swap SATA HDDs; 16TB 2.5-inch hot-swap SAS/SATA HDDs; or 6.4TB hot-swap SATA SSDs
RAID Support	Software RAID 0/1/10/5; opt. hardware RAID 0/1/10/5/6 via M1210 (6Gbps or 12Gbps) or M5200 series (6Gbps or 12Gbps)
Power Supply	One fixed 300W 80 PLUS Gold; or two hot-swap redundant 460W 80 PLUS Gold / Energy Star 2.0
Network Interface	2 x GbE ports (1 shared with systems management); opt. single- or dual-port 10GbE adapter
Expansion Slots	2 PCIe 3.0 (one reserved for optional M1210 RAID controller)
USB Ports/VGA Ports	Up to 2 x USB 3.0 front, 2 x USB 3.0 rear, 1 x USB 3.0 interior
Hot-Swap Components	HDDs, SSDs, 460W PSUs
Systems Management	Lenovo XClarity Administrator with mobile option, Lenovo XClarity Pro software bundle, IMM 2.1, shared GbE port
Operating Systems Supported	Microsoft Windows Server, SUSE Linux; Red Hat Enterprise Linux; Ubuntu (tested and certified); VMware ESXi
Limited Warranty	3-year parts and labor or 1-year parts and labor

Options

ServeRAID M1210 SAS/SATA Controller for Lenovo System x 00JY194; 00JY195 Stand-alone RAID adapter with support for RAID 0/1/10 (upgr. to RAID 5). High performance with 12Gb SAS.	460W Redundant Power Supply 00YD992; 00YE023 Energy-efficient 80 PLUS Gold power supplies	System x3250 Security Bezel 00YE642; 00YE057 Prevents unauthorized users from accessing the server and removing hard drives
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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.

For More Information

To learn more about the System x3250 M6, contact your Lenovo representative or Business Partner or visit lenovo.com/systems/servers

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