

# Lenovo ThinkSystem ST250 V2

Enterprise server power for your  
growing business



## Enterprise Power

The Lenovo ThinkSystem ST250 V2 is a robust, single-socket, easily managed, rackable tower server for the expanding businesses.

Providing enterprise-level server power with the next-generation Intel® Xeon® E-2300 Processor, the ThinkSystem ST250 V2 enables up to 8 cores and a max. 17% performance increase over the prior generation. It offers a wide range of storage options and seamless integration with Lenovo's XClarity management system.

ThinkSystem ST250 V2 supports several workloads for enterprise business application and is ideal for managing IT Infrastructure, near-side data backup, and Edge Computing.

## Enterprise Flexibility and Manageability

The ThinkSystem ST250 V2 features a highly flexible and easy to manage design that deploys server performance where it's needed and adapts as requirements change over time. Expand storage configurations with up to 16x 2.5-inch hot-swappable HDDs/SSDs, and two internal M.2 modules, while protecting data with various RAID options.

With GPU support, multiple PCIe slots, and lightning quick TruDDR4 memory, enhanced performance and connectivity comes standard with the ThinkSystem ST250 V2. Lenovo XClarity software provides easy-to-use systems management and dramatically reduces provisioning time, while an array of XClarity integrators allow utilization of XClarity through external IT applications to streamline IT management and contain costs.

## Designed for Remote Office Use

The ThinkSystem ST250 V2 is engineered for remote office / branch office and retail use. It is designed for environments with minimal IT support. The compact footprint and office-quiet cooling system enables the server for low-profile use.

Dual 550W AC power supplies result in redundancy for critical workload reliability. These components increase server uptime, workplace productivity, and data security. The ideal solution for an environment without dedicated on-site data center space or IT support staff.

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## Specifications

|                                 |   |
|---------------------------------|---|
| Form Factor                     | 4U chassis: Height: 430mm (16.9 inches), width: 175mm (6.9 inches), depth: 566mm (22.3 inches).<br>Optional conversion to a rack-mount chassis  |
| Processor                       | 1x Intel® Xeon® E-2300 Processor or 1x Intel® Pentium® processor, up to 8 cores at 95W  |
| Memory                          | Up to 128GB in 4x DIMM slots using 32GB UDIMMs 3200MHz TruDDR4  |
| Drive Bay Combinations          | 8x 3.5-inch simple-swap SATA drives<br>7x 3.5-inch simple-swap SATA drives plus 1x 3.5-inch simple-swap NVMe drive<br>8x 3.5-inch hot-swap SAS/SATA drives<br>16x 2.5-inch hot-swap SAS/SATA drives<br>Hybrid 4x 3.5-inch hot-swap + 8x 2.5-inch hot-swap SAS/SATA drives<br>2x 5.25-inch media bays (for optical drive or backup media)<br>Optional M.2 mirroring kit (supports 2x SATA M.2 drives; installs in PCIe slot) |
| Expansion Slots                 | Slot 1: PCIe x4 slot with PCIe Gen3 x4 lanes<br>Slot 2: PCIe x16 slot with PCIe Gen4 x16 lanes<br>Slot 3: PCIe x4 slot with PCIe Gen3 x4 lanes<br>Slot 4: PCIe x8 slot with PCIe Gen3 x4 lanes  |
| HBA/RAID Support                | Intel® VROC Software RAID support with both simple-swap and hot-swap configuration; multiple hardware RAID configurations supported   |
| Network Interface               | 2x GbE on-board ports (Broadcom BCM5720); 1x GbE port dedicated for XCC management  |
| Ports                           | Front: 1x USB 3.2 G2 (10Gb) port, 1x USB 2.0 port for local management using the XCC Mobile app<br>Rear: 4x USB 3.2 G2 (10Gb) ports, 2x RJ45 Gigabit Ethernet ports, 1x 1GbE dedicated XCC port for remote management, 1x Serial port and 1x VGA port   |
| Systems Management and Security | Lenovo XClarity Controller; Embedded TPM 2.0; Optional front lockable bezel, chassis intrusion switch   |
| Power Supplies                  | Supports a single fixed power supply or a redundant pair of hot-swap power supplies   |
| OS Support                      | Microsoft Windows Server 2022, SUSE, Red Hat, VMware vSphere. Visit <a href="https://lenovopress.com/osig">lenovopress.com/osig</a> for more information. Microsoft Windows 10/11 tested  |
| Limited Warranty                | 1- and 3-year customer replaceable unit and onsite service, next business day 9x5, optional service upgrades  |

## For More Information

To learn more about the Lenovo ThinkSystem ST250 V2, contact your Lenovo representative or Business Partner, or visit [www.lenovo.com/thinksystem](https://www.lenovo.com/thinksystem). For detailed specifications, consult the [ThinkSystem ST250 V2 product guide](#).

## About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$70 billion revenue global technology powerhouse, ranked #159 in the Fortune Global 500, employing 75,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.

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