

ThinkSystem SR250

Efficient enterprise power in an affordable 1U form factor



Powerful and Secure

The Lenovo ThinkSystem SR250 is a single-processor rack server that integrates power, reliability, flexibility, and security in a compact 1U form factor suited for the small-to-medium business.

The ThinkSystem SR250 boasts a high price-performance ratio with a combination of high-processing capability and dependability with next-generation Intel® Xeon® E-2200 processors which provides up to 8 CPU cores resulting in a gen-to-gen maximum performance increase of 34%, and support for an array of storage configurations.

It provides the flexibility to handle workloads including web serving, virtualization, entry-cloud and data-analytics applications, and also the support of integrated Intel Software Guard Extensions (SGX) secure the ThinkSystem SR250 for the security of application code and data, such as blockchain.

Flexible and Scalable

The ThinkSystem SR250 adapts to multiple environments and workloads in which a shorter-depth rack accommodates space-constrained environments. Also, lightning-fast TruDDR4 memory, GPU support, and an array of storage options, including low-latency NVMe drives, afford serious storage and workload flexibility.

Superb I/O capability via multiple network interface ports and a dedicated management port handle heavy network communications and enable faster data transmission.

The ThinkSystem SR250 also features the option for either a fixed or redundant power supply unit depending on the data center deployment model. These options allow users to configure the ThinkSystem SR250 to specifications appropriate for their distinct enterprise use and optimize server utility for future scalability.

Simple Management

The ThinkSystem SR250 features the Lenovo XClarity Controller, the embedded management engine in all ThinkSystem servers that is designed to standardize, simplify, and automate foundation server management tasks.

Lenovo XClarity Administrator is a virtualized application that centrally manages ThinkSystem servers, storage, and networking, which can reduce provisioning time up to 95% versus manual operation. And, running XClarity Integrator helps you streamline IT management, speed provisioning, and contain costs by seamlessly integrating XClarity into an existing IT environment.

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Specifications

Form Factor	1U rack, Height: 43mm (1.69 inches), Width: 435mm (17.13 inches), Depth: 545mm (21.5 inches)
Processor (max)	1-socket Intel® Xeon® E-2200 processors, up to 8 cores at 95W
Memory	Up to 128GB of 2666MHz TruDDR4 ECC UDIMMs (4 slots)
Disk Bays - Maximum Internal Storage	4x 3.5-inch simple- or hot-swap SATA drives 4x 2.5-inch simple-swap SATA/SAS drives 10x 2.5-inch hot-swap SATA/ SAS/ SSD drives 8 x 2.5-inch hot swap SATA/SAS/SSD drives + 2 x 2.5-inch NVMe drives
RAID Support	Intel VROC Software RAID supports simple swap and hot swap Multiple RAID configurations (common with ThinkSystem)
Power Supply	Fixed power supply unit 300W Gold, dual redundant AC (450W, Platinum)
Network Interface	2x 1GbE ports embedded, 1x 1GbE dedicated management
Expansion Slots	2x PCIe Gen3 x8 slots or 1x PCIe Gen3 x16 slot 1x PCIe Gen3 x8 (x4 interface) internal RAID slot
USB Ports/VGA Ports	Front: 1x USB 2.0, 1x USB 3.1 Gen1, support XCC mobile Rear: 2x USB 3.1 Gen1, 1x Serial COM, 1x VGA
Systems Management	Lenovo XClarity Administrator with mobile option, support for TPM 2.0
Operating Systems Supported	Microsoft, Red Hat, SUSE, and VMware ESXi
Limited Warranty	1-year or 3-year warranty

For More Information

To learn more about the Lenovo ThinkSystem SR250, contact your Lenovo representative or Business Partner, or visit lenovo.com/thinksystem. For detailed specifications, read the [ThinkSystem SR250 product guide](#).

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$45 billion Fortune 500 company and a global technology leader in driving Intelligent Transformation. Lenovo's data center solutions (ThinkSystem, ThinkAgile) are creating the capacity and computing power that are changing business and society.

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