Lenovo ThinkSystem SR450 V4



Modern 2U rack performance, right-sized for SMB infrastructure

Right-Sized Performance for Everyday Business

The Lenovo ThinkSystem SR450 V4 delivers current-generation Intel® Xeon® 6 processor performance in a cost-optimized 2U single-socket platform. Providing performance and efficiency without compromise, the platform is built and tested for high compute intensity and scale while remaining optimized for core business applications, file and storage services, and light virtualization. With up to 32 cores, 512GB of TruDDR5 memory, and support for up to 8 NVMe drives, the SR450 V4 delivers balanced compute and storage performance for SMB infrastructure modernization.

Cost-Effective by Design

Not every workload requires a dual-socket server, GPU acceleration, or extensive expansion capabilities. The ThinkSystem SR450 V4 was purpose-built for organizations seeking a practical balance of performance, cost, and simplicity. Its streamlined single-socket architecture, integrated vertical PCIe slots, and focused feature set help reduce unnecessary system complexity while retaining the capabilities required for everyday IT operations. The result is a server designed around what customers use most, rather than features they may never need.

Simplified Infrastructure with Room to Grow

The SR450 V4 combines deployment simplicity with the flexibility to adapt as business requirements evolve. Support for flexible 2.5-inch and 3.5-inch storage configurations, up to 8 NVMe drives, rear hot-swap M.2 boot devices, PCIe Gen5 connectivity, and OCP 3.0 networking provides the essential expansion capabilities needed for standard business workloads. By focusing on practical scalability instead of maximum platform expansion, the SR450 V4 helps organizations deploy infrastructure faster, standardize configurations, and simplify ongoing management.

Built for SMB Infrastructure Modernization

SMB organizations continue to refresh aging infrastructure while balancing performance requirements with increasingly strained budgets. The ThinkSystem SR450 V4 is designed specifically for these environments, delivering a modern rack server platform that is easy to deploy, manage, and standardize across locations. Combined with Lenovo XClarity Management and ThinkSystem reliability, the SR450 V4 provides a straightforward path to infrastructure modernization for growing businesses, branch offices, and channel-led deployments.

Specifications

Form Factor/Height	2U rack server
Processors	1x Intel® Xeon® 6700P or 6500P series processor, up to 32 cores and 250W TDP
Drive Bays	• Front: Up to 8x 2.5″ SAS/SATA/NVMe hot-swap drives, or up to 8x 3.5″ SAS/SATA hot-swap drives • Boot: Up to 2x rear hot-swap M.2 SATA/NVMe boot drives with RAID support • Storage support: Intel VROC; RAID controllers with 8 ports; non-RAID HBAs with 16 ports
Memory	• Up to 8x TruDDR5 RDIMMs at up to 6400MT/s • 16GB, 32GB, and 64GB DIMMs support; maximum capacity up to 512GB
Expansion Slots	• 3x rear PCIe Gen5 low-profile vertical slots • 1x OCP 3.0 x8 slot
Network Interface	1x OCP 3.0 x8 adapter slot and supported PCIe network adapters

Ports	• Front:
	  ◦ Default status LEDs and external diagnostics handset port
	  ◦ Optional 2x USB 3.0 Type-A ports, including XClarity Mobile support
	  ◦ Optional Mini-DisplayPort
	• Rear:
	  ◦ 2x USB 3.0
	  ◦ 1x VGA
	  ◦ 1x dedicated 1GbE management port

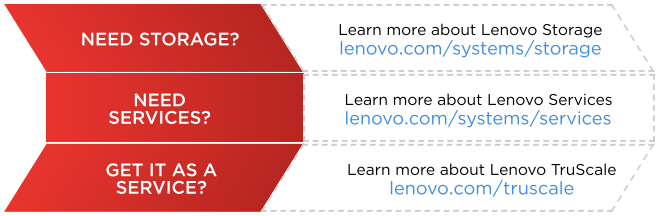
HBA/RAID Support	• Intel VROC • 8-port RAID controllers support • 6-port non-RAID HBAs support • Rear hot-swap M.2 NVMe RAID support
Cooling Solution	Air Cooling with redundant hot-swap fans
Power	• Dual redundant hot-swap AC power supplies: • 800W CRPS and 1300W CRPS Premium options • Titanium efficiency options
Systems Management	• Lenovo XClarity Controller based on OpenBMC • Redfish support • UEFI based on OpenEDK
OS Support	Microsoft, SUSE, Red Hat, VMware. Visit lenovopress.com/osig for details.
Limited Warranty	• Standard 3-year base warranty • Optional service upgrades available

About Lenovo

Lenovo is a US$83 billion revenue global technology powerhouse, ranked #153 in the Fortune Global 500, and serving millions of customers every day in 180 markets. Guided by its **vision** of "Smarter Technology for All", Lenovo is executing a **Hybrid AI strategy** that spans Personal AI – one personal AI, multiple devices; and Enterprise AI – helping customers turn data into insights and value. This strategy is delivered through the Group's commitment to **world-class innovation** and a full-stack AI portfolio, including devices, infrastructure solutions, software, and services. Lenovo is widely recognized for its **operational excellence**, with a global footprint spanning more than 20 R&D locations and a supply chain that includes more than 30 manufacturing sites across 10 markets.

For More Information

To learn more about the Lenovo ThinkSystem SR450 V4, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem. For detailed specs, consult the SR450 V4 Product Guide



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