Lenovo ThinkSystem SR630 V3

Maximum performance in a 1U server



Maximized performance in a 1U format

Don't let the small form fool you, this dual processor ThinkSystem SR630 V3 server in a 1U chassis, is maximized for performance. With the 5th Gen Intel® Xeon® Scalable processors, it provides up to 59% better performance over the previous generation. When you factor in 32 DIMMs of DDR5 memories, PCIe Gen5 technology, and EDSFF E1.S drives thru direct NVMe, it is a 1U server which can manage complex workloads at top speed.

The SR630 V3 has maximized PCIe lanes for increased PCIe Gen5 bandwidth, faster memory speed up to DDR5 5600MHz, and an increased capacity of storage drives offering. It is designed to manage IT infrastructure as well as complex workloads like High Performance Computing (HPC), 5G/Networking, AI/ML operation, Database Expansion, Cloud application, Virtual Desktop Infrastructure (VDI), and Distributed Workloads.

Lenovo innovation increases performance in the SR630 V3 while reducing power consumption by adding in support for its Neptune™ liquid cooling. Lenovo recently expanded its revolutionary liquid cooling technology to GPUs making it available for the select models of the SR630 V3.

For more information on Neptune™ and SR630 V3 solutions visit: www.lenovo.com/us/en/servers-storage/neptune/

Next Gen Workloads

New IT applications are rapidly developing creating the next era workloads and IT Infrastructures must evolve to accommodate for them. High Performance Computing (HPC) and Public, Private or Hybrid Cloud applications require increased I/O speeds and storage capacity to function properly. Adding speed and agility to your infrastructure is crucial to successfully managing these next gen workloads.

The SR630 V3 is designed with multiple drive options for flexible storage, support for PCIe Gen5 for increased I/O, intuitive data management, and security. The SR630 V3 provides the enhanced performance to support the next gen workloads of today and into the future.

Enhanced security and easy management

The SR630 V3 include Lenovo ThinkShield security software. ThinkShield prevents, detects and remediates against attacks, providing security in the supply chain, below the OS in the server, and from the OS to the cloud. It protects the server throughout the entire lifecycle of the server.

The easy-to-use XClarity system manager on the SR630 V3 simplifies infrastructure processes saving you time during deployments, handling faults, and adding new servers to the network.

The enhanced portal provides easy access to log events as well as simplifying content exports in a readable format. XClarity also adds another level of security by monitoring log events and providing 3 security modes to choose from.

Specifications

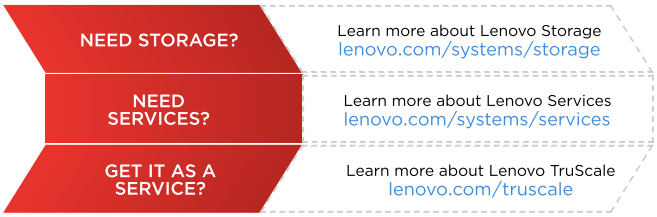
Form Factor/Height	1U rack server
Processor	Up to 2x 5th Gen Intel® Xeon® Scalable processors, up to 64 cores and 385W TDP
Drive Bays	Up to 4x 3.5" or 12x 2.5" or 16x EDSFF E1.S drives Front: up to 4x 3.5" / 10x 2.5" /16x EDSFF E1.short hot swap drives Rear: 2x 2.5"; 7mm SATA/NVMe hot-swap boot drives, support RAID Internal 2x M.2 SATA/NVMe boot drives, support RAID Direct NVMe, VROC/VMD, and onboard SATA with SW RAID (0,1,5,10)
Memory	Supports up to 32x TruDDR5 3DS/RDIMMs
Expansion Slots	Up to 5x PCIe 4.0/5.0 slots, 1x OCP 3.0 slot, 1x cabled internal HBA/RAID adapter that doesn't occupy a standard PCIe slot
GPUs	Up to 3x single-width 75W GPUs
Network Interface	LOM adapter installed in the OCP 3.0 slot, optional for front access Networking PCIe adapters
Ports	Front: 1x USB 3.2 G1, 1x USB 2.0 for BMC, 1x VGA (optional), 1x external diagnostics handset port (optional) Rear: 3x USB 3.2 G1, 1x VGA, 1x 1GbE RJ45 (management), 2nd 1GbE management port (optional in OCP slot location), and 1x Serial port (optional) Internal: 1x USB 3.2 G1 and MicroSD card port
HBA/RAID Support	SATA with SW RAID (0,1,5,10); Common building blocks including standard and Internal PCIe RAID/HBA adapters.
Power	Dual Redundant AC & DC; Platinum & Titanium; 750W, 1100W, 1800W, and 1100W -48V DC Platinum
Systems Management	Lenovo XClarity Controller
OSes Supported	Microsoft, SUSE, Red Hat, VMware. Visit lenovopress.com/osig for more information.
Limited Warranty	1-year and 3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

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 SR630 V3, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem. For detailed specs, consult the SR630 V3 Product Guide.





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