

Lenovo ThinkSystem SR630 V4

Ultimate Efficiency, Speed & Performance in a 1U2S Rack Server



Maximum Core Performance

The ThinkSystem SR630 V4 server features dual Intel® Xeon® 6 processors with new class of Efficient-cores (E-cores), offering up to 288 cores in a 1U server. The extreme core density boost performance performance for high density and scale out workload in customer segments like cloud service providers (CSP) and telecommunication service over the previous generations.

The ThinkSystem SR630 V4 empowers CSP and Telco customers to streamline workloads, minimize data center space, and seamlessly prepare for future growth.

Faster Insights

The ThinkSystem SR630 V4, powered by the Intel® Xeon® 6 processors with E-cores, delivers faster insights for large customers such as CSPs and Telcos. It's specifically designed for highly parallel workloads, with the ability to process multiple independent tasks simultaneously.

With the latest PCIe 5.0 and an increase in DDR5 memory speed, the SR630 V4 offers 2x better application bandwidth, making it ideal for compute-intensive tasks like Telco's 5G Core.

Designed for Efficiency

There are multiple options and features to increase the efficiency of the ThinkSystem SR630 V4. Customers can choose the efficiency features that fits their workloads and data center requirements best. New with the ThinkSystem SR630 V4 is the redesigned bezel which improves airflow by 5%.

Included with Intel's E-Core processor are significant power-savings, using less watts per CPU than the previous generation. With the increased number of cores, the SR630 V4 reduces power consumption while maximizing performance.

For maximum efficiency, The ThinkSystem SR630 V4 has the option for liquid-assist cooling with Lenovo Neptune. Neptune liquid-cooling removes heat more efficiently improving the server's performance without hitting thermal thresholds.

Enhanced Security

Security is an important aspect of any infrastructure and at Lenovo, we take security seriously. We have enhanced our security features on the ThinkSystem SR630 V4 servers to ward off next level threats and ensure our hardware and firmware is secure out of the box. The ThinkSystem SR630 V4 has the latest FIPS 140-3 compliance and additional firmware protection to protect against bad actors.

Lenovo

XClarity One System Management

The ThinkSystem SR630 V4 includes XClarity One system management and the industry's first hybrid cloud-based unified Management-as-a-Service providing three predictive failure analytics engines to swiftly identify potential issues and minimize system downtime while increasing accuracy.

The ThinkSystem SR630 V4 includes XClarity Controller 3 (XCC3) to monitor server availability. Optional upgrade to XCC Platinum to provide remote control (keyboard video mouse) functions, support for mounting remote media files (ISO and IMG image files), boot capture, and power capping.

Specifications

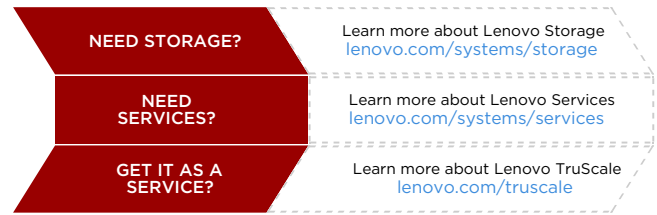
Form Factor/Height	1U rack server
Processor	Up to 2x Intel® Xeon® 6 processors, up to 288 cores
Drive Bays	<ul style="list-style-type: none"> Up to 12x 2.5" or 16x EDSFF E3.S Front: Up to 10x 2.5" / 16x EDSFF E3.S (16x1T/8x2T), hot-swap Rear: 2x 2.5", hot-swap 2x M.2 boot drives, optional hot-swap Direct NVMe, VROC/VMD (R0,1,5,10)
Memory	Supports up to 32x TruDDR5 RDIMMs, MCRDIMMs
Expansion Slots	<ul style="list-style-type: none"> Up to 5x PCIe 5.0 slots 2x OCP 3.0 slots 1x cabled internal HBA/RAID adapter
GPUs	Up to 3x single-width 75W GPUs
Network Interface	2x OCP 3.0 (x8, cabled for x16)
Ports	<p>Front:</p> <ul style="list-style-type: none"> Default LED and External diagnostic port Optional USB 3.2 Type A, one for XCC mobile & 1x mini-DP Optional 2x PCIe 5.0 x16 slots & 1x OCP 3.0 x16 slot <p>Rear:</p> <ul style="list-style-type: none"> 2x OCP 3.0 slots (x8/cabled x16) 1x VGA port 2 x USB 3.0 ports 1GbE dedicated management port Optional 1x serial port Optional 1x 2nd management port
HBA/RAID Support	<ul style="list-style-type: none"> Intel VROC/VMD for NVMe RAID RAID controllers with 8 or 16 ports Non-RAID HBA with 8 or 16 ports Internal CFF 16i HBA/RAID
Power	Dual Redundant AC & DC; Platinum & Titanium; 800W, 1300W, 2000W, and 1100W -48V DC Platinum Supports Industry standard CRPS form factor supplies
Systems Management	XClarity Controller v3
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 (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 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.

For More Information

To learn more about the Lenovo ThinkSystem SR630 V4, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem.



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