

ThinkSystem SR630

Built for business-critical versatility



Highly Versatile

Featuring the largest storage capacity and highest performance in Lenovo's 1U server portfolio, Lenovo ThinkSystem SR630 excels at many workloads.

SR630 helps you: 1) transform resources into services, using validated designs for hybrid cloud; 2) perform analytics on streaming data, using validated designs for Big Data; 3) improve performance of virtualized transactional systems, using validated designs for OLTP databases; or 4) simplify storage scale-out, using configuration guides for hyperconverged infrastructure (HCI) or software-defined storage (SDS).

Highly Flexible

ThinkSystem SR630 includes support for Intel® Optane™ DC Persistent Memory and up to two second-generation Intel® Xeon® Processor Scalable family CPUs that deliver up to 36% total performance improvement over the previous generation.* It has up to four§ PCIe 3.0 slots for I/O flexibility. Unique Lenovo AnyBay technology provides optimized storage flexibility and performance, with up to 12 2.5" or 4 3.5" SAS/SATA HDDs/SSDs.

Four direct-connect NVMe ports on the motherboard provide ultra-fast read/writes with NVMe drives and reduce costs by eliminating PCIe switch adapters. Plus, storage can be tiered for greater application performance, to provide the most cost-effective solution.

Optional mirrored M.2 boot drives ensure reliability and quick OS initialization. SR630 also supports modular LOM, ML2, and PCIe network adapters. To reduce energy costs, it features 80 PLUS Platinum and Titanium PSUs, and continuous operation at 45°C.

Secure and Easily Managed

Lenovo ThinkShield is a comprehensive end-to-end approach to security that begins with development and continues through supply chain and the full life cycle of the device. From the data center to the edge of the network our priority is protecting your business with each product.

Lenovo XClarity Controller features an uncluttered graphical user interface, industry standard Redfish-compliant REST APIs, and enables booting in half the time of prior generation servers, with up to 6x faster firmware updates.

Lenovo XClarity Administrator is a virtualized application that centrally manages ThinkSystem servers, storage, and networking. Via reusable patterns and policies, it ramps up and scales infrastructure provisioning and maintenance. It serves as a central integration point to extend your data center management processes to physical IT. Running XClarity Integrators in external IT applications, or integrating through REST APIs, helps you further speed services provisioning, streamline IT management, and contain costs.

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Specifications

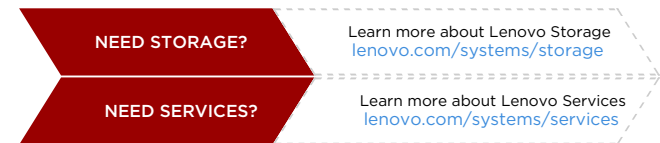
Form Factor/Height	1U rack server
Processor	Up to 2 second-generation Intel® Xeon® Platinum processors, up to 205W
Memory	Up to 7.5TB in 24x slots, using 128GB DIMMs; 2666MHz / 2933MHz TruDDR4
Expansion Slots	Up to 4x PCIe 3.0 slots (with two CPUs), including 1x dedicated PCIe for RAID adapter
Drive Bays	Up to 12 bays (includes 4x AnyBay): 3.5": 4x hot-swap SAS/SATA; 2.5": 4x hot-swap AnyBay + 6x hot-swap SAS/SATA + 2x rear; or 8x hot-swap SAS/SATA; or 10x hot-swap U.2; plus up to 2x mirrored M.2 boot
HBA/RAID Support	HW RAID (up to 16 ports) with flash cache; up to 16-port HBAs
Security and Availability	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs; 45°C continuous operation; light path diagnostic LEDs; front-access diagnostics via dedicated USB port
Network Interface	2/4-port 1GbE LOM; 2/4-port 10GbE LOM with Base-T or SFP+; 1x dedicated 1GbE management port
Power	2x hot-swap/redundant: 550W/750W/1100W AC 80 PLUS Platinum; or 750W AC 80 PLUS Titanium
Systems Management	XClarity Controller embedded management, XClarity Administrator centralized infrastructure delivery, XClarity Integrator plugins, and XClarity Energy Manager centralized server power management
OSes Supported	Microsoft, SUSE, Red Hat, VMware vSphere. Visit lenovopress.com/osig for more information.
Limited Warranty	1-/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\$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.

For More Information

To learn more about the Lenovo ThinkSystem SR630, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem. For detailed specs, consult the [SR630 Product Guide](#).



* Based on Intel internal testing, August 2018. † One slot is dedicated for a RAID adapter.

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