

# ThinkSystem SR570

## Memory-optimized, efficient 1U rack server



### Powerful and Affordable

The 1U Lenovo ThinkSystem SR570 rack server is an excellent fit for Big Data, web serving, and infrastructure scale-out. It's designed for rack environments that require peak memory and two-socket performance, flexible storage, outstanding value, and intuitive management.

It can accelerate compute performance across a wide range of applications with up to two Intel® Xeon® Scalable Family processors and offers 43% more cores than the previous generation. The SR570's faster memory and greater memory capacity power larger workloads, offering as much as 1TB of memory capacity, 33% more than the ThinkSystem SR530.

### Versatile

Adapt to changing workload requirements and boost I/O throughput with multiple NIC form factors, including LOM, ML2, and 3x PCIe 3.0 slots, as well as replaceable I/O riser cards for varied adapter slot configurations.

The SR570 supports a choice of up to 10 hot-swap 2.5" or 4 hot-swap or simple-swap 3.5" drive bays. These drive bays support SAS and SATA HDDs and SSDs with up to 12Gb SAS throughput.

Four of the 2.5" bays can be AnyBay, capable of supporting not only SAS/SATA drives, but also direct-connect NVMe drives for the ultimate in storage performance. The SR570 also supports one or two M.2 drives for faster, more secure OS boot.

### Reliable and Secure

Lenovo servers have been the most reliable in the industry for several years. They were ranked #1 yet again in the latest ITIC survey of x86 server reliability.\* The SR570 is no exception, including many features that contribute to the reliability and security of the server and your all-important data. As a result, Lenovo's servers are also #1 in customer satisfaction among x86 servers.\*\*

These features result in a powerful, highly adaptable, cost-efficient server with a low TCO.

### Why Lenovo

Lenovo is a leading provider of systems for the data center. The portfolio includes rack, tower, blade, dense, and hyperconverged systems, and provides enterprise-class performance, reliability, and security. Lenovo also offers a full range of networking, storage, software, and solutions, as well as comprehensive services that support business needs throughout the IT lifecycle.

Lenovo™

## Specifications

<b>Form Factor</b>	1U
<b>Processor</b>	Up to 2 Intel® Xeon® Platinum 150W, up to 26 cores per CPU
<b>Memory</b>	Up to 1TB of 2666MHz TruDDR4 in 16 slots
<b>Expansion</b>	Up to 3 PCIe 3.0
<b>Drive Bays</b>	Up to 10x 2.5" (including optional 4x direct-connect AnyBay) or up to 4x 3.5"
<b>Internal Storage</b>	Up to: 48TB (3.5" SAS/SATA HDD); 15.36TB (3.5" SATA SSD); 24TB (2.5" SAS/SATA HDD); 76.8TB (2.5" SSD); 16TB (2.5" NVMe); 1x or 2x M.2
<b>Network Interface</b>	2 GbE ports standard; LOM interface standard; optional ML2, PCIe
<b>NIC Ports</b>	2x GbE standard; 1x GbE dedicated management standard; optional up to 2x 1GbE, 2x 10GBase-T, or 2x 10GBase SFP+
<b>Power</b>	Up to 2x hot-swap/redundant 550W/750W Platinum, 750W Titanium
<b>High-Availability Features</b>	Hot-swap HDDs/SSDs/NVMe, hot-swap PSUs and fans, light path diagnostics, PFA for all major components, ASHRAE A4 support (with limits), optional XClarity Pro with Call Home feature
<b>RAID Support</b>	Hardware RAID 0, 1, 5 standard on hot-swap models (optional Hardware RAID 0, 1, 5, 50, 6, 60 for 2.5"); Software RAID 0, 1, 5 on simple-swap 3.5" models (optional Hardware RAID 0, 1, 5)
<b>Security</b>	Locking bezel; locking top cover; TPM 2.1 standard; optional TCM (China only)
<b>Management</b>	XClarity Administrator; XClarity Controller (embedded hardware); optional XClarity Pro
<b>OS Support</b>	Microsoft, SUSE, Red Hat, VMware. Visit <a href="http://lenovopress.com/osig">lenovopress.com/osig</a> for details.
<b>Limited Warranty</b>	1- and 3-year customer replaceable unit and onsite service, next business day 9x5, optional service upgrades

\* 2016-2017 Global Hardware, Server OS Reliability Report, ITIC; October 2016 \*\* 2H16 Corporate IT Buying Behavior and Customer Satisfaction Study, TBR; December 2016.

## Featured Options

<b>3.5" 10TB 7.2K SAS 12Gb Hot-Swap 512e HDD</b>  7XB7A00046  High-capacity drive for enterprise-class applications	<b>10Gb 2-port SFP+ LOM</b>  7ZT7A00546  Low-cost Intel LoM available for 1Gb, 10Gb, SFP+, and RJ45 connectivity	<b>U.2 1.92TB Entry NVMe PCIe 3.0 Hot-Swap SSD</b>  7N47A00984  High-performance, low-latency drive optimized for mixed workloads
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## For More Information

To learn more about the ThinkSystem SR570 rack server, contact your Lenovo representative or Business Partner or visit [www.lenovo.com/thinksystem](http://www.lenovo.com/thinksystem). For detailed specifications, consult the [SR570 Product Guide](#).

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