

# Lenovo ThinkSystem SR550

Designed for a balance of processing power, storage capacity, and cost



## Essential and Priced Within Reach

The Lenovo ThinkSystem SR550 dual-socket 2U rack server is ideal for small to large organizations that need performance, storage capacity, flexible I/O, and resiliency. With industry-leading reliability<sup>1</sup> and customer satisfaction<sup>2</sup>, and designed to handle a wide range of workloads, SR550 cost-effectively performs complex analytics on structured and unstructured data, speeds transactional systems, and powers through collaboration workloads with ever-growing data sets and large files shared within an organization.

## Flexible to Grow with Your Business

SR550 offers numerous features to increase performance and flexibility. It features two Intel® Xeon® Scalable family CPUs, with 43 percent more cores, faster memory, increased I/O, and more storage capacity than the previous generation\*. SR550 is available with up to 120TB of storage, a 50 percent increase. Software and hardware RAID with simple-swap hard drives make it easy to manage storage needs. SR550 also supports two internal M.2 boot drives, freeing up the other drive bays for additional storage capacity. Front USB 3.0 ports and optional front VGA simplify deployment and servicing. Plus, up to six PCIe adapter slots and several choices of optional 1GbE/10GbE LOM and NICs, 80 PLUS Platinum and Titanium PSUs, and continuous operation at 45°C, provide additional flexibility and cost savings.

## Easily Managed

Lenovo XClarity Controller is an all-new hardware embedded management engine common in every ThinkSystem server. 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.

## Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

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## Specifications

<b>Form Factor/Height</b>	2U rack server
<b>Number of Processors</b>	Up to 2x Intel® Xeon® Platinum processors, up to 125W
<b>Memory</b>	Up to 768GB in 12x slots, using 64GB DIMMs; 2666MHz TruDDR4
<b>Expansion Slots</b>	Up to 6x PCIe 3.0 (with 2x processors) via multiple riser options (PCIe-only or PCIe + ML2)
<b>Drive Bays</b>	Up to 16x HS or 8x SS LFF; <b>plus</b> up to 2x mirrored M.2 boot (opt. RAID 1)
<b>HBA/RAID Support</b>	SW RAID std. (up to 8 ports); up to 16-port HBAs/or HW RAID with flash cache
<b>Security and Availability Features</b>	TPM 1.2/2.0; PFA; HS/redundant drives and PSUs; operating temp up to 45°C (with limitations); front-access diagnostics via dedicated USB port; opt. redundant cooling
<b>Network Interface</b>	2x 1GbE ports + 1x dedicated 1GbE management port (std); 1x opt. 10GbE LOM
<b>Power</b>	2x hot-swap/redundant (Energy Star 2.1): 550W/750W 80 PLUS Platinum; <b>or</b> 750W 80 PLUS Titanium
<b>Systems Management</b>	XClarity Controller embedded management, XClarity Administrator centralized infrastructure delivery, XClarity Integrator plugins, and XClarity Energy Manager centralized server power management
<b>OSes Supported</b>	Microsoft Windows Server, SLES, RHEL, VMware vSphere. Visit <a href="http://lenovopress.com/osig">lenovopress.com/osig</a> for more information.
<b>Limited Warranty</b>	1- and 3-year customer replaceable unit and onsite service, next business day 9x5; opt. service upgrades

\* Compared to the prior-generation Lenovo ThinkServer RD450; <sup>1</sup>2016-2017 Global Hardware, Server OS Reliability Report, ITIC; October 2016.; <sup>2</sup>H16 Corporate IT Buying Behavior and Customer Satisfaction Study, TBR; December 2016.

## Featured Options

<b>3.5-inch 10TB 7,200rpm SAS 12Gb Hot-Swap</b>	<b>10Gb 2-port SFP+ LOM</b>	<b>64GB TruDDR4 2666MHz (4Rx4 1.2V) LRDIMM</b>
<b>7XB7A00046</b>	<b>7ZT7A00546</b>	<b>7X77A01305</b>
High-capacity drives for enterprise- class applications	Low-cost Intel LoM for 1Gb, 10Gb, SFP+, and RJ45 connectivity	Improve server performance, reliability with high-capacity TruDDR4 memory

Visit [Options](#) for more information.

## For More Information

To learn more about the Lenovo ThinkSystem SR550, contact your Lenovo representative or Business Partner or visit: [www.lenovo.com/thinksystem](http://www.lenovo.com/thinksystem). For detailed specifications, consult the [SR550 Product Guide](#).

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