

# ThinkSystem SR665

## Exceptional performance in 2U



### Unprecedented Performance

The Lenovo ThinkSystem SR665 utilizes the AMD EPYC™ architecture to deliver the next era of solution performance and TCO optimization for software-defined workloads, database, big data & analytics, virtualization, virtualized desktop infrastructure (VDI), and HPC/AI workloads.

The combination of two AMD EPYC 7002 CPUs with class-leading memory speed, storage, and GPU density rapidly outpaces the power of prior generation two-socket servers. Lenovo's lauded system reliability, management capabilities, and security infrastructure layer on to the exceptional value that the ThinkSystem SR665 brings to the data center.

The modern data center demands ever-expanding capability, requiring server technology deliver more performance that test the limits of physics. With the enterprise-class AMD EPYC™ 7002 processor, the world's first 7nm data center CPU, the ThinkSystem SR665 features up to an unprecedented 128 cores and 128 Gen4 PCIe lanes in a server to maximize server performance and decrease network bottlenecks critical for HPC/AI workloads.

### Adaptive Design

The ThinkSystem SR665 is an all-purpose workhorse, adaptable to numerous enterprise workloads to address a wide range of data management solutions in hybrid data center environments.

The dual AMD EPYC 7002™ CPUs combined with support for multiple GPUs streamlines performance for virtual desktop infrastructure (VDI) instances, providing the technical resources to aid in scale-out VDI instances for a growing enterprise workforce.

Cutting-edge storage configurations include choices ranging from high capacity HDDs to lightning-quick NVMe drives to maximize both data capacity and throughput performance. These storage features render the system ideal for database and big data/ analytics workloads.

Outfitted with up to 8x PCIe 4.0 slots, the ThinkSystem SR665 provides the expandability, networking scalability, and speed necessary to ensure that I/O-intensive workloads such as software defined networking, and grid computing do not encounter bottlenecks that reduce full enterprise efficiency.

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## Innovative Management

The ThinkSystem SR665 features Lenovo's lauded XClarity system management suite. The XClarity management controller supports an easy-to-use application with industry standard Redfish-compliant REST APIs that provide streamlined hardware provisioning and maintenance, enabling a data-driven, centralized view of data center operations.

Trust Lenovo ThinkShield to protect and defend your data center infrastructure from attacks, with 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. AMD EPYC processors also offer unique security features, embedded with secure boot and full memory encryption capabilities to address growing security-threats.

Finally, Lenovo's portfolio of services support the full lifecycle of your Lenovo IT assets - from planning, deployment and support to asset recovery.

## Specifications

<b>Product Name(s)</b>	ThinkSystem SR665
<b>Form Factor</b>	2U rack server
<b>Processors</b>	Up to two (2) AMD EPYC™ 7002 Generation Processors, up to 64C, 280W
<b>Memory</b>	32x DDR4 memory slots; Maximum 4TB using 128GB RDIMMs; up to 1DPC at 3200MHz, 2DPC at 3200MHz
<b>Drive Bays</b>	Up to 20x 3.5-inch or 40x 2.5-inch drives; Maximum of 32x NVMe drives with 1:2 connection
<b>Expansion Slots</b>	Up to 8x PCIe 4.0 slots, 1x OCP 3.0 adapter slot
<b>GPU</b>	Up to 8x single-width GPUs or 3x double-width GPUs
<b>Network Interface</b>	OCP 3.0 mezz adapter, PCIe adapters
<b>Power</b>	Dual redundant PSUs (up to 1800W Platinum)
<b>Ports</b>	Front: 1x USB 3.0, 1x USB 2.0, 1x VGA (optional) Rear: 3x USB 3.1, 1x Serial port (optional) 1x RJ-45 (management)
<b>System Management</b>	Lenovo XClarity Controller
<b>OS Support</b>	Microsoft Windows Server, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, VMware ESXi
<b>Limited Warranty</b>	1- and 3-year customer replaceable unit and onsite services, next business day 9x5; optional service upgrades

For more details please consult the ThinkSystem SR665 [product guide](#).

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## 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.

## For More Information

To learn more about the Lenovo ThinkSystem SR665, contact your Lenovo representative or Business Partner or visit [lenovo.com/thinksystem](http://lenovo.com/thinksystem). For detailed specifications consult the ThinkSystem SR665 [product guide](#).

