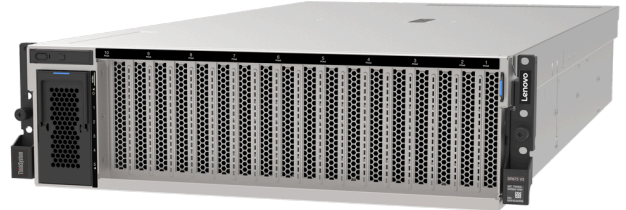


Lenovo ThinkSystem SR675 V3

From Exascale to Everyscale™ —
a modular platform tailored to
your enterprise AI requirements



Designed for Your Enterprise

Lenovo ThinkSystem SR675 V3 delivers optimal performance for Artificial Intelligence (AI), High Performance Computing (HPC) and graphical workloads across an array of industries.

Retail, manufacturing, financial services and healthcare industries are leveraging GPUs to extract greater insights and drive innovation utilizing machine learning (ML) and deep learning (DL). Here are a few ways accelerated computing leverages GPUs in different organizations:

- Computer vision for retail customer experience
- Natural language processing (NLP) for call centers
- Large-scale Omniverse™ digital twins
- In-silico trials and immunology in Life Sciences
- Ray-traced rendering for photo-realistic graphics
- Remote visualization for work-from-home teams
- Powerful video encoding and decoding
- Automatic optical inspection (AOI) for quality control

As more workloads leverage the capabilities of accelerators, the demand for GPUs increases. The ThinkSystem SR675 V3 delivers an optimized enterprise-grade solution for deploying accelerated HPC and AI workloads in production, maximizing system performance.

EveryScale Platform means: Versatility

The SR675 V3 features a modular design for ultimate flexibility. With multiple different front compartment options, configurations include:

- One or two 4th or 5th Generation AMD EPYC™ Processors
- Up to eight double-width GPUs with NVLink Bridge
- NVIDIA Blackwell, Hopper, Lovelace and Ampere datacenter Accelerators
- AMD Instinct™ MI Series Accelerators
- Choice of front or rear high-speed networking
- Choice of local high speed SAS/SATA/NVMe storage

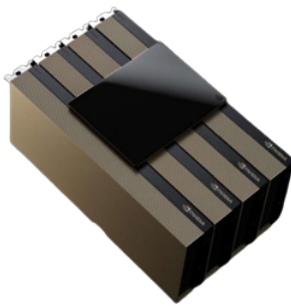
Lenovo

The ThinkSystem SR675 V3 is built on one or two 4th or 5th Generation AMD EPYC™ Processors and is designed to support the vast NVIDIA Blackwell, Hopper, Lovelace and Ampere datacenter portfolio and AMD Instinct™ MI Series Accelerators.

The ThinkSystem SR675 V3 delivers performance optimized for your workload, be it visualization, rendering or computationally intensive HPC and AI.

Most Powerful Compute Platform

The NVIDIA H200 Tensor Core GPU delivers unprecedented acceleration—at every scale—to power the world's highest performing elastic data centers for AI, data analytics, and HPC applications. The H200 can efficiently scale up or be partitioned into seven isolated GPU instances, with Second-Generation Multi-Instance GPU (MIG) providing a unified platform that enables elastic data centers to dynamically adjust to shifting workload demands.



Enterprise-ready design

The SR675 V3 is engineered for production data center environments, with redundant hot-swap power supplies, internal fan-based cooling, and support for a broad range of accelerator, networking, and storage configurations. This helps customers deploy GPU-accelerated workloads with dependable infrastructure designed for operational flexibility.

Solutions That Scale

Whether you're just starting with AI or moving into production, your solution must scale with your organization's needs. The ThinkSystem SR675 V3 can be used in a cluster environment using high-speed fabric to scale out as your workload demands increase.

Enabled with Lenovo EveryScale HPC & AI Software Stack, you can support multiple users and scale within a single cluster environment. Lenovo EveryScale HPC & AI Software Stack is a modular software stack tailored to our customers' needs. Thoroughly tested, supported and periodically updated, it combines the latest open-source HPC software releases to enable organizations with an agile and scalable IT infrastructure.

The software stack is built on the most widely adopted and maintained HPC community software for orchestration and management. It integrates third party components especially around programming environments and performance optimization to complement and enhance the capabilities, creating the organic umbrella in software and service to add value for our customers.

Get a Hands-on, Concierge Experience

Getting started is easy. At the Lenovo AI Innovation Centers, you can test your own Proof of Concept (PoC) on different hardware and software platforms, including the ThinkSystem SR675 V3. Lenovo data scientists and AI solution architects are available to help you along the way. Lenovo can work with you to develop an end-to-end solution with professional services and deep industry partnerships to ensure your success.

Specifications

Form Factor	3U rack
Processor	1x or 2x 4th or 5th Generation AMD EPYC™ Processors per node
Memory	Up to 6TB using 24x DDR5 DIMMs with max frequency 6400 MHz 12 channels per CPU with 1DPC Capacities: Up to 256GB
Base Module	Up to 4x double-wide, full-height, full-length 600W GPUs; PCIe Gen5 x16 Or up to 4x single-wide, full-height, half-length PCIe Gen5 x16 Up to 8x 2.5" Hot Swap SAS/SATA/NVMe
Dense Module	Up to 8x double-wide, full-height, full-length 600W GPUs each PCIe Gen5 x16 on PCIe switch Or up to 8x single-wide, full-height, half-length GPUs each PCIe Gen5 x16 on PCIe switch Up to 6x EDSFF E1.S NVMe SSDs or up to 4x EDSFF E3.S 1T NVMe HS SSDs
RAID Support	Software RAID is not supported. Only RAID Controllers and HBA
I/O Expansion	Up to 6x PCIe Gen5 x16 adapters (2 front, 4 rear) and 1x OCP NIC 3.0 (x16/x8/x4) (rear) depending on the configuration
Power and Cooling	Four N+N redundant hot-swap PSUs (up to 2600W Titanium) Full ASHRAE A2 support with internal fans
Management	Lenovo XClarity Controller 2 (XCC2), Confluent and Lenovo HPC & AI Software Stack
OS Support	Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Microsoft Windows Server, VMware ESXi, Canonical Ubuntu Tested on Alma Linux, Rocky Linux

About Lenovo

Lenovo is a US\$83 billion revenue global technology powerhouse, ranked #153 in the Fortune Global 500, and serving millions of customers every day in 180 markets. Guided by its **vision** of “Smarter Technology for All”, Lenovo is executing a **Hybrid AI strategy** that spans Personal AI – one personal AI, multiple devices; and Enterprise AI – helping customers turn data into insights and value. This strategy is delivered through the Group’s commitment to **world-class innovation** and a full-stack AI portfolio, including devices, infrastructure solutions, software, and services. Lenovo is widely recognized for its **operational excellence**, with a global footprint spanning more than 20 R&D locations and a supply chain that includes more than 30 manufacturing sites across 10 markets.

For More Information

To learn more about the Lenovo ThinkSystem SR675 V3, contact your Lenovo representative or Business Partner or visit lenovo.com/thinksystem. For detailed specifications consult the [SR675 V3 Product Guide](#).



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