

Lenovo ThinkSystem SR650i V4

Maximize scalability and performance for AI inferencing and enterprise workloads



Versatility Meets AI Performance

Lenovo ThinkSystem SR650i V4 is engineered for AI inferencing and enterprise workloads. Powered by Intel® Xeon® 6 processors which deliver performance and efficiency without compromise. With support for Intel® Xeon® 6 processors and high-performance GPUs, this platform delivers real-time insights for applications like generative AI, Natural Language Processing (NLP), High Performance Computing, and computer vision.

AI-Driven Intelligence Meets Performance

SR650i V4 combines compute density, PCIe Gen5 bandwidth, and NVMe storage to accelerate inferencing workloads. Lenovo XClarity management simplifies deployment and monitoring, ensuring secure and efficient operations across distributed environments.

Engineered for Sustainability

Optional Lenovo Neptune™ cooling improves thermal efficiency for continuous inferencing workloads. ENERGY STAR® compliance and Lenovo's sustainability programs help reduce environmental impact while maintaining peak performance.

Inferencing at Scale for Real-Time Insights

The Lenovo ThinkSystem SR650i V4 is designed to handle the growing demand for AI inferencing across enterprise environments. Built and tested for high compute intensity and scale, it leverages dual Intel® Xeon® 6 processors, PCIe Gen5 architecture, and high-performance GPUs, this platform accelerates real-time decision-making for applications such as predictive analytics, computer vision, and natural language processing.

Combined with ultra-fast NVMe storage and high-bandwidth memory, SR650i V4 ensures low latency and high throughput, making it ideal for deploying large-scale inferencing models in retail, manufacturing, and financial services.

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Specifications

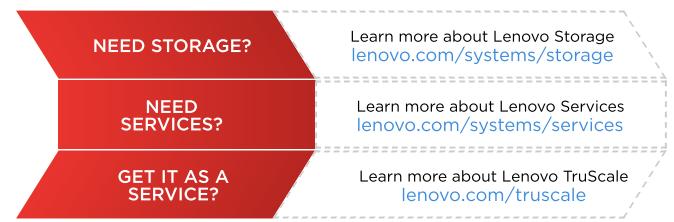
Form Factor/Height	2U rack server
Processors	2x Intel® Xeon® 6530P processors, 32 cores each, 225W TDP
GPUs	2x NVIDIA RTX PRO 6000 Blackwell Server Edition GPUs
Memory	512GB (8x 64GB TruDDR5 6400MHz RDIMMs)
Drive Bays	8x 2.5-inch NVMe hot-swap drive bays
Drives	<ul style="list-style-type: none"> • 2x 3.84TB 2.5-inch NVMe SSDs • 2x 960GB M.2 SATA SSDs with RAID-1
Expansion Slots	<ul style="list-style-type: none"> • Up to 6x PCIe Gen5 slots • 2x OCP 3.0 slots
Network Interface	Broadcom 57414 10/25GbE SFP28 2-port PCIe Ethernet Adapter
Power Supply	2x 2700W 230V Titanium Hot-Swap Power Supplies
Cooling Solution	<ul style="list-style-type: none"> • High-performance fans • Optional Lenovo Neptune™ water cooling
Systems Management	Lenovo XClarity Controller Premier
OS Support	Microsoft, SUSE, Red Hat, VMware. Visit lenovopress.com/osig for details.
Limited Warranty	3-year base warranty

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.

For More Information

To learn more about the Lenovo ThinkSystem SR650i V4, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem. For detailed specs, consult the [SR650i V4 Product Guide](#).



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Intel® Xeon® processors
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