Lenovo ThinkSystem SR645 V3

Dense, high-performance server



Performance without compromise

IT infrastructures and workloads are ever evolving creating new types of workloads. You need a server which can handle workloads of today and be agile enough to meet the challenges of tomorrow. With increased core density in the 5th Generation AMD EPYC™ processor and PCIe 5.0 memory speed, the 1U ThinkSystem SR645 V3 has the power, bandwidth, and memory to tackle virtualization, data analytics, and high performance computing.

With protection provided by Lenovo ThinkShield security and the simplified management from Lenovo's XClarity, the SR645 V3 embodies Lenovo's reputation for top reliability.

Designed for flexibility

Your data needs are unique to your business, and you need an infrastructure that has the flexibility to be customized. With the SR645 V3, you can choose the drive options from SAS/SATA, NVMe, and EDSFF. Configure your drives today and with a hot swappable, AnyBay™ format, quickly add or change to manage the next gen workload.

Select between PCIe 4.0 and 5.0 to meet the speed and budgetary goals for your infrastructure and select the best GPU option for your workloads. Whether it's data analytics, virtualization or HPC, the SR645 V3 has the options for your unique requirements.

Easy Management and Secure

The ThinkSystem SR645 V3 utilizes Lenovo XClarity for an easy-to-use system management solution. XClarity enables a data-driven, centralized view of data center operations and it monitors for unexpected adds and changes.

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 with our Root of Trust and continues through supply chain and the full life cycle of the server.

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

Specifications

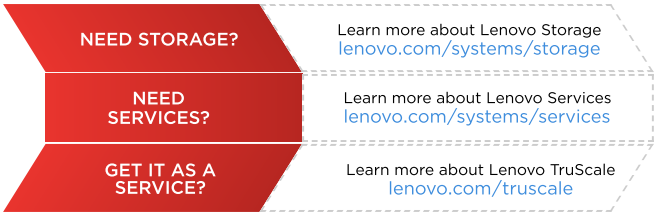
Product Name(s)	ThinkSystem SR645 V3
Form Factor	1U rack server
Processors	Up to 2x 4th or 5th Generation AMD EPYC™ Processors, up to 160 cores per processor
Memory	Up to 24x TruDDR5 memory slots Maximum 6TB with support for 3DS RDIMMs; up to 1DPC at 6400MHz
Drive Bays	Up to 4x 3.5”, 12x 2.5” drives, or 16x EDSFF drives
Expansion Slots	Up to 3x PCIe 4.0, 2x PCIe 5.0 slots 1x OCP 3.0 adapter slot
GPU	Up to 4x single-width GPUs
Network Interface	OCP 3.0 mezz adapter, PCIe adapters
Power	Dual Redundant AC & DC Supplies with Titanium/Platinum for ErP Lot9 Compliance
Ports	Front: 1x USB 3.1 G1, 1x USB 2.0 with XCC connection for mobile device, 1x VGA (optional), Optional external Diagnostic Port Rear: 3x USB 3.1 G1, 1x VGA Port, 1x Serial port (optional), System ID LED, Error LED, NMI Button
Systems Management	Lenovo XClarity Controller
OS Support	Microsoft Windows Server, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, VMware ESXi
Limited Warranty	1- and 3-year customer replaceable unit and onsite services, next business day 9x5; optional service upgrades

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 SR645 V3, contact your Lenovo representative or Business Partner or visit lenovo.com/thinksystem. For detailed specifications, consult the SR645 V3 product guide.



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