Lenovo ThinkSystem SR650 V3

Maximize scalability and performance for future growth

High performance easy management

Enterprises require a reliable, easy-to-manage IT infrastructure for today and the next era IT workloads of tomorrow. Designed for performance, Lenovo's ThinkSystem SR650 V3 with the 5th Gen Intel® Xeon® Scalable processors offers:

- Support for wide variety of GPUs
- The latest DDR5 memory for speed
- Flexible storage with multiple drive options
- Increased I/O lanes for optimized data transfer rates
- XClarity system manager with enhanced management features
- ThinkShield security

The SR650 V3 is an easy-to-manage, fast and secure solution for next era IT workloads.

Tackling Complex Workloads

The ThinkSystem SR650 V3 offers the low-latency, high-capacity performance necessary to tackle today's workloads. Include flexible storage options with hot-swap drives, and the SR650 V3 can easily scale for changing needs. The SR650 V3 supports a wide range of workloads and is ideal for:

- Enterprise IT infrastructure

- Data Analytics
- Public, Private, and Hybrid Cloud Application
- AI/ML applications
- High Performance Computing (HPC)
- 5G/Networking

These complex workloads require servers with performance, speed and capacity for smooth operations and the SR650 V3 is ready to deliver.

Flexibility and reliability

Every application is unique, and Lenovo offers flexibility with support for a wide variety of GPUs, drive types and AnyBay™ storage enabling easy scaling and options to meet your needs today and into the future.

Featuring a choice of drive interface type in the same drive bay: SAS drives, SATA drives, or NVMe PCIe drive, you have the freedom to configure some of the bays with PCIe SSDs and still use the remaining bays for capacity SAS drives. If you decide to upgrade, you have the ability to change to more PCIe SSDs in the future.

Lenovo ThinkSystem servers are rated #1 for reliability by ITIC when surveyed about downtime and security breaches. Our servers are built to meet your unique needs and provide an IT infrastructure you can rely on.
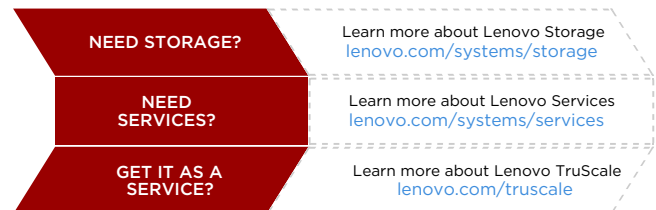
ThinkSystem

intel. XEON PLATINUM

Specifications

Form Factor/Height	2U rack server
Processors	Up to 2x 5th Gen Intel® Xeon® Scalable processors, up to 64 cores and 385W TDP
Drive Bays	Up to 20x 3.5" or 40x 2.5" drives Up to 36x NVMe drives supported with PCIe retimer adapters Rear: 2x 2.5"; 7mm SATA/NVMe hot-swap boot drives, support RAID Internal 2x M.2 SATA/NVMe boot drives, support RAID Direct NVMe, VROC/VMD, and onboard SATA with SW RAID (0,1,5,10)
Memory	Supports up to 32x TruDDR5 3DS/RDIMMs
Expansion Slots	Up to 12x PCIe 4.0/5.0 slots, 1x OCP 3.0 slot, 1x cabled internal HBA/RAID adapter that doesn't occupy a standard PCIe slot
GPUs	Up to 8x single-width GPUs or 3x double-width GPUs
Network Interface	LOM adapter installed in the OCP 3.0 slot, optional for front access Networking PCIe adapters
Ports	Front: 1x USB 3.1 G1, 1x USB 2.0 with XClarity Mobile support, 1x VGA (optional), 1x external diagnostics handset port (optional) Rear: 3x USB 3.1 G1, 1x VGA, 1x 1GbE RJ-45 (management), 2nd 1GbE management port (optional in OCP slot location), 1x Serial port (optional)
HBA/RAID Support	SATA with SW RAID (0,1,5,10); Common building blocks including standard and Internal PCIe RAID/HBA adapters.
Power	Dual Redundant AC & DC (multiple wattages); Platinum & Titanium; 750W PT/TT, 1100W PT/TT, 1800W PT/TT, 2400W PT, 2600W TT and 1100W -48V DC PT
Systems Management	Lenovo XClarity Controller
OS Support	Microsoft, SUSE, Red Hat, VMware. Visit lenovopress.com/osig for details.
Limited Warranty	1-year and 3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

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 SR650 V3, contact your Lenovo representative or Business Partner or visit www.lenovo.com/thinksystem. For detailed specs, consult the SR650 V3 Product Guide

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