

Lenovo® and Intel channel partner product cheat sheet

Deliver for every data demand

Explore servers that suit every requirement

Meet your customers' needs now, and in the future, with servers designed for every data demand. Lenovo's versatile range of servers, powered by Intel, enables you to capitalize on the growing server market by finding the system that suits every customer's requirements.

From SMEs to enterprise workloads, our range of servers, powered by Intel® Xeon® processors, is ready for everything. With unmatched performance, flexibility, and industry-leading efficiency to meet mission-critical demands with legendary quality and unsurpassed reliability. Our latest Lenovo ThinkSystem® V4 servers, powered by Intel® Xeon® 6 processors are built to drive today's workloads and elevate any-size datacenter, up to AI-enabled powerhouses.

Add these to your portfolio alongside Lenovo's ThinkSystem V3 servers and ThinkAgile™ solutions, powered by Intel® Xeon® processors, to deliver for any customer demand, from Customer Relationship Management (CRM) to Large Language Models (LLM).



**Powered by Intel® Xeon® processors –
Performance and Efficiency Without Compromise**



**Smarter
technology
for all**

Lenovo

Compare the products

Our product cheat sheet covers Lenovo servers and solutions for a wide range of use cases. Exceed your customers’ performance needs, no matter what they are.

For enterprise workloads



Lenovo ThinkSystem SR650 V4 (New)



Lenovo ThinkSystem SR650a V4 (New)



Lenovo ThinkSystem SR630 V4 (Updated)



Lenovo ThinkSystem SD550 V3



Lenovo ThinkSystem SR630 V3



Lenovo ThinkSystem SD530 V3



Lenovo ThinkSystem ST650 V3

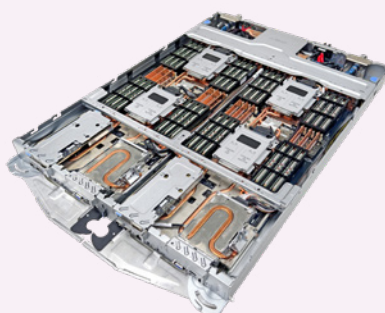
For high-performance computing (HPC), simulation and modeling workloads



Lenovo ThinkSystem SD650 V3



Lenovo ThinkSystem SR650 V3



Lenovo ThinkSystem SC750 V4 Neptune (New)

For emerging enterprises/SMBs



Lenovo ThinkSystem ST650 V3



Lenovo ThinkSystem ST250 V3



Lenovo ThinkSystem SR250 V3



Lenovo ThinkSystem ST50 V3

Meet your customer’s most diverse power, performance, and efficiency needs

Lenovo’s ThinkSystem V4 servers, ThinkSystem V3 servers, and ThinkAgile solutions for enterprise workloads

For
enterprise
workloads



Intel® Xeon® 6 leads the industry with exceptional performance for the widest range of workloads in Lenovo’s new Lenovo ThinkSystem V4 servers.

Designed for maximum performance, these servers are ideal for the most compute-intensive workloads in cloud, AI, and HPC environments.



Lenovo ThinkSystem SR650 V4 (New)

Unlock maximum versatility to run any workload. Provides 25% more single-wide GPU capacity¹ for up to 2x computation performance in a compact 2U form factor²—enterprise-IT optimized with AI-ready infrastructure.

[Learn more](#)



Lenovo ThinkSystem SR650a V4 (New)

AI power in a dense package, with up to four front-access double-wide GPUs in a compact 2U2S platform without compromising memory capacity. This server is ideal for engineering, AI modeling, and HPC with high-density GPU compute.

[Learn more](#)

Designed for enhanced performance, these servers are ideal for high-density and scale-out workloads in diverse data center and telco environments.



Lenovo ThinkSystem SR630 V4 (Updated)

Space-optimized data center powerhouse, with up to 16 E3.S drives for 32 TBs of high-speed storage in a super-dense 1U system.³ The Lenovo ThinkSystem SR630 V4 is a data center powerhouse that’s built for AI inference, S/MLM, VDI, and content delivery, making it an ideal choice for FinTech, CSPs, and Telcos managing real-time transactions.

- 2-socket 1U rack server for customers needing industry-leading reliability, management, and security in high-density, scale-out environments
- Based on two Intel® Xeon® 6700-series processors with the new E-cores
- Support for DDR5 DIMMs to maximize performance of the memory subsystem

[Learn more](#)

¹ Lenovo Internal data: SR650 V4 based on internal benchmark testing
² Comparing the SR650a V4 to the SR650 V4, the SR650a V4 with 4x H100 GPUs vs. the SR650 V4 with 2x H100 GPUs provides 2x AI Computation performance
³ Lenovo Internal data: SR630 V4 based on internal benchmark testing

Meet your customer’s most diverse power, performance, and efficiency needs

Lenovo’s ThinkSystem V4 servers, ThinkSystem V3 servers, and ThinkAgile solutions for enterprise workloads

For
enterprise
workloads



Explore our Lenovo ThinkSystem V3 and Lenovo ThinkAgile range for enterprise workloads



Lenovo ThinkSystem SD550 V3

For customers looking for high-density computing, this server is the most efficient Lenovo multi-node server, using 3x fans in a 2U footprint.

- Powered by 5th Gen Intel® Xeon® Scalable processors
- Supports 16 TruDDR5 DIMMs, two PCIe x16 slots plus an OCP 3.0 slot for high-speed I/O
- Supports the implementation of a hyperconverged infrastructure, utilizing half of the rack space of a standard server

[Learn more](#)



Lenovo ThinkSystem SR630 V3

A 2U rack server with 5th Gen Intel® Xeon® Scalable processors. This server is designed for enterprise customers and can provide the performance, reliability, and security necessary for cloud, VDI, and enterprise applications.

- Support for 5600 MHz memory and PCIe Gen 5.0 support
- Offers onboard NVMe PCIe ports that allow direct connections to 16x NVMe SSDs
- Support for DDR5 DIMMs to maximize the performance of the memory subsystem

[Learn more](#)



Lenovo ThinkSystem SD530 V3

An ultra-dense and economical two-socket server in a 1U half-rack form factor, powered by 5th Gen Intel® Xeon® Scalable processors.

- Supports 16 TruDDR5 DIMMs, a PCIe 5.0 x16 slot plus an OCP 3.0 slot for high-speed I/O
- Support for DDR5 DIMMs to maximize the performance of the memory subsystem
- Perfect for multiple applications, including increasing virtual machine density for cloud computing and processing mass amounts of transactional data

[Learn more](#)

Lenovo ThinkSystem ST650 V3

This 4U rackable tower server has up to two 5th Gen Intel® Xeon® Scalable processors. It’s designed to handle a wide range of workloads, such as databases, virtualization, and cloud computing. Plus, it’s ideal for remote installations, providing enterprise performance, faster insights, and reliability either in-rack or as a stand-alone server.

- Supports up to eight single-width GPUs or four double-wide GPUs, for substantial processing power in a tower system
- Enterprise-grade tower server with support for hot-swap power supplies, fans, and drives
- Support for DDR5 DIMMs to maximize the performance of the memory subsystem
- Also ideal for emerging enterprises and SMBs



[Learn more](#)

Simplify IT and accelerate time to value with Lenovo’s ThinkAgile solutions

Lenovo ThinkAgile MX Series

With the power to accelerate digital transformation, the Lenovo ThinkAgile MX Series enables Azure cloud services and AI inferencing at the edge and inside customer data centers. Also ideal for HPC, simulation, and modeling workloads.

[Learn more](#)

Lenovo ThinkAgile VX Series

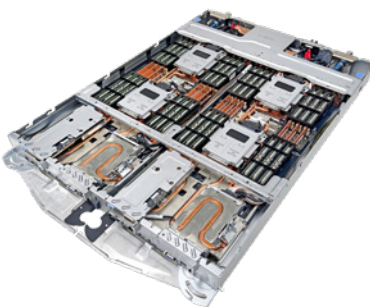
Connect customers to the Lenovo ThinkAgile VX Series, with the power to streamline their hybrid cloud environments and accelerate time to value.

[Learn more](#)

Performance optimized, AI ready, and powered by Intel® Xeon® processors

Lenovo's ThinkSystem V3 servers and ThinkAgile solutions for heavy enterprise workloads

For HPC, simulation and modeling workloads



Lenovo ThinkSystem SC750 V4 Neptune (New)

A supercomputer featuring Intel® Xeon® 6 processors and Lenovo Neptune® Liquid Cooling. Excelling in intensive simulations and complex modeling, the Lenovo ThinkSystem SC750 V4 Neptune is built for large-scale cloud infrastructures and HPC.

- Lenovo Neptune Liquid Cooling applies 100% direct warm water cooling, maximizing energy efficiency without sacrificing performance
- The Intel® Xeon® 6900P-series, boasting up to 128 P-cores, offers superior single-thread performance and AI acceleration in every core
- 12 channels of high-speed DDR5 RDIMM or an impressive 8800 MHz high-bandwidth MRDIMM capability

[Learn more](#)



Lenovo ThinkSystem SR650 V3

A 2U, 2-socket rack server designed to increase speed and performance for enterprises. Built with 5th Gen Intel® Xeon® Scalable processors, extensive DDR5 memory, PCIe Gen5, and enhanced management capabilities.

- Designed to handle a wide range of workloads, including databases, virtualization and cloud computing, virtual desktop infrastructure, and HPC
- Support for DDR5 DIMMs to maximize the performance of the memory subsystem
- Supports up to eight single-width GPUs or three double-wide GPUs, for substantial processing power in a 2U system

[Learn more](#)



Lenovo ThinkSystem SD650 V3

Combines two 5th Gen Intel® Xeon® Scalable processors or Intel® Max Series CPUs with the 5th generation Lenovo Neptune direct water-cooling system, making it ideal for HPC, large-scale cloud, heavy simulations, and modeling.

- Direct water cooling reduces data center energy costs by up to 40%⁴
- Up to 12x SD650 V3 nodes are installed in 6x trays in the DW612S enclosure, occupying only 6U of rack space
- Support for DDR5 DIMMs to maximize the performance of the memory subsystem

[Learn more](#)

⁴ Lenovo Press: SD650 V3

Simplify IT and accelerate time to value with Lenovo's ThinkAgile solutions

Lenovo ThinkAgile HX Series

Combining the power of AI with flexibility, scalability, and security, the Lenovo ThinkAgile HX Series is perfect for any kind of enterprise workload, from edge to cloud.

[Learn more](#)

Lenovo ThinkAgile MX Series

With the power to accelerate digital transformation, the Lenovo ThinkAgile MX Series enables Azure cloud services and AI inferencing at the edge and inside customer data centers.

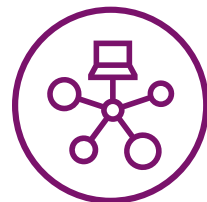
[Learn more](#)



Performance optimized, AI ready, and powered by Intel® Xeon® processors

Lenovo's ThinkSystem V3 servers and ThinkAgile solutions for SMBs

For emerging enterprises and SMBs



Lenovo ThinkSystem ST650 V3

This 4U rackable tower server has up to two 5th Gen Intel® Xeon® Scalable processors. It's designed for remote installations and provides enterprise performance, faster insights, and reliability, either in-rack or as a stand-alone server.

- Supports up to eight single-width GPUs or four double-wide GPUs, for substantial processing power in a tower system
- Enterprise-grade tower server with support for hot-swap power supplies, fans, and drives
- Support for DDR5 DIMMs to maximize the performance of the memory subsystem
- Also ideal for enterprise workloads



[Learn more](#)

Lenovo ThinkSystem SR250 V3

This single-processor rack server in a compact 1U form factor maximizes uptime for growing enterprises. Ideal for virtualization, enterprise application workloads, and supporting a remote workforce.

- Powered by an Intel® Xeon® E-2400 processor, delivering flexible compute for the edge
- Supports up to 128 GB of 4800 MHz TruDDR5 ECC memory
- Up to four 4800 MHz DDR5 ECC UDIMMs provide speed and capacity of up to 128 GB



[Learn more](#)

Lenovo ThinkSystem ST250 V3

This one-socket tower server is optimized for growing enterprises and can be installed in-rack or as a standalone, which is ideal for remote applications and branch offices. The perfect choice for entry-level AI inferencing.

- Powered by a single Intel® Xeon® E-2400/6300-series processor, up to 8 cores at 95W
- Up to 128 GB TruDDR5 memory at 4400 ECC
- Flexible enterprise storage options with up to 16x 2.5" hot-swap or 8x 3.5" hot-swap and simple-swap drive bays
- Up to four 4800 MHz DDR5 ECC UDIMMs provide speed and capacity of up to 128 GB



[Learn more](#)

Lenovo ThinkSystem ST50 V3

An entry-level, single-socket tower server that's right-sized for growing enterprises, educational institutions, and branch offices.

- Powered by a single Intel® Xeon® E-2400 processor, perfect for delivering flexible compute for the edge
- Up to 128 GB of 4800 MHz TruDDR5 ECC memory
- Up to four 4800 MHz DDR5 ECC UDIMMs provide speed and capacity of up to 128 GB



[Learn more](#)

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Grow your opportunities with a server for every customer

To learn more about next-generation Lenovo ThinkSystem servers and Lenovo ThinkAgile solutions, please contact your Lenovo Partner Account Manager.

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Performance and Efficiency Without Compromise**

**Smarter
technology
for all**

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