

Real-Time AI Everywhere: New Lenovo ThinkSystem & ThinkEdge AI Inferencing Servers

Article

At [CES 2026 Tech World](#), Lenovo didn't just showcase innovation—it redefined what AI inferencing means for businesses of all sizes. From edge deployments to enterprise-scale datacenters and hybrid cloud, Lenovo's Infrastructure Solutions Group (ISG) unveiled a portfolio designed to make real-time intelligence practical, scalable, and unstoppable. With robust new purpose-built Lenovo ThinkSystem and ThinkEdge AI inferencing servers: SR675i V3, SR650i V4 and SE455i V3, this means AI in action for your business—everywhere.

ThinkSystem SR675i V3 — The Unified Inferencing Powerhouse

The SR675i V3 is built for the full AI lifecycle—develop, deploy, infer, tune, scale up, and retrain—so teams can evolve models without re-platforming. A compact 3U design supports up to 8 PCIe Gen5 double-wide GPUs, packing dense acceleration for production inferencing, RAG pipelines, and on-prem LLMs.

Where it shines: High throughput, steady latency, and room to grow—ideal for organizations consolidating mixed AI workloads onto a single, GPU-rich system.

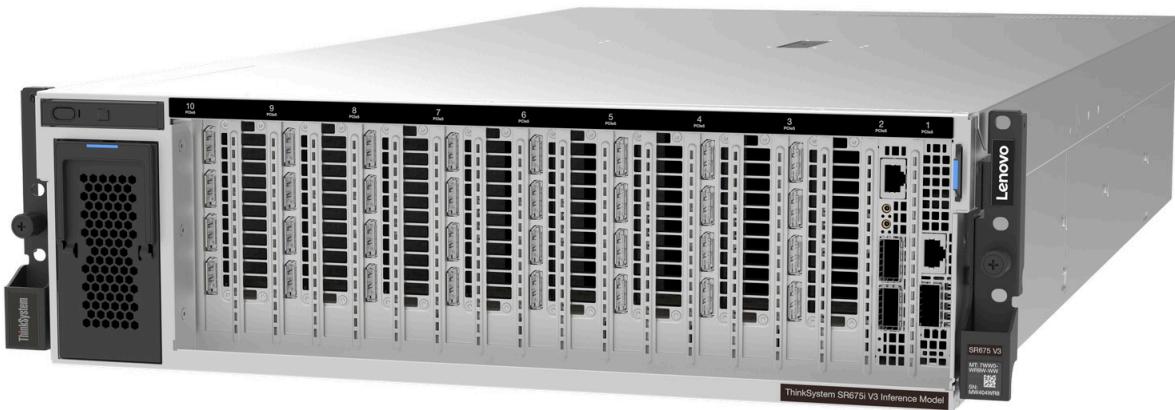


Figure 1. ThinkSystem SR675i V3 Inference Model

Learn more about the ThinkSystem SR675i V3 with these resources:

- [Lenovo ThinkSystem SR675i V3 datasheet](#)
- [Lenovo ThinkSystem SR675 V3 and SR675i V3 product guide](#)

ThinkSystem SR650i V4 — Accelerated Inferencing That Fits Your Datacenter

For teams standardizing on mainstream 2U rack designs, the SR650i V4 delivers high-density GPU compute for “drop-in” deployment in existing datacenters—a practical path to scale AI without re-architecting facilities. It’s designed for accelerated inferencing power across the majority of production workloads.



Figure 2. ThinkSystem SR650i V4 Inference Model

Learn more about the ThinkSystem SR650i V4 with these resources:

- [Lenovo ThinkSystem SR650i V4 datasheet](#)
- [Lenovo ThinkSystem SR650a V4 and SR650i V4 product guide](#)

ThinkEdge SE455i V3 — AI Where Your Data Lives

When decisions need to happen in-store, on the factory floor, or at the cell site, the SE455i V3 brings inferencing closer to data sources to minimize round-trip delays. Its compact, ruggedized design targets retail, telco, and industrial use cases that demand ultra-low latency and reliable operation in space- and power-constrained environments.

Why it matters: By keeping compute at the edge, SE455i V3 reduces backhaul dependency, helps preserve privacy, and sustains real-time experiences—even when connectivity is intermittent.



Figure 3. ThinkEdge SE455i V3 Inference Model

Learn more about the ThinkSystem SE455i V3 with these resources:

- [Lenovo ThinkEdge SE455i V3 datasheet](#)
- [Lenovo ThinkEdge SE455 V3 and SE455i V3 product guide](#)

Lenovo Hybrid AI Advantage: Your Fast Track to Real AI Value

Servers are only half the story. The Lenovo Hybrid AI Advantage is your answer to “How do I get value from AI?” It’s a complete foundation for deploying AI agents and use cases that accelerate outcomes.

With the Lenovo AI Library, you can quickly define, deploy, and manage real, repeatable AI agents and use cases that drive productivity and ROI. The Lenovo Hybrid AI Factory unites infrastructure, data, models, and platforms into validated solutions that simplify deployment and maximize security—delivered with trusted partners like NVIDIA, IBM, and Cisco. Paired with Lenovo AI Services, including AI Fast Start to prove value in under 90 days and AI Discover to identify the right use cases in just 2 days, we help you implement and scale AI confidently.

Together, these pillars enable you to leverage AI wherever your data resides, accelerate adoption, and stay secure and in control—all backed by performance-tuned solution patterns for industries like retail, manufacturing, and healthcare.

From Edge to Enterprise, AI in Action

Lenovo’s CES 2026 announcement wasn’t just about hardware—it was about creating a cohesive inferencing fabric that spans edge, core, and cloud. With ThinkEdge SE455i, ThinkSystem SR675i, and SR650i, backed by Lenovo AI Services and Premier Support Plus, businesses can deploy, scale, and sustain real-time AI—in any industry, anywhere. This is how Lenovo sets the stage for the next era of AI.

Learn more:

- [Lenovo AI Inferencing Servers](#)
- [Lenovo Tech World at CES 2026](#)
- [Lenovo Tech World at CES 2026 Press Releases](#)

For more information, please contact your Lenovo representative.

Author

Traci Parker is the Worldwide Solutions Marketing Manager for Enterprise IT and AI at Lenovo. She specializes in hybrid cloud, infrastructure modernization and AI solutions. She has more than 15 years of experience as a Marketing Manager and Product Marketing Manager across high-tech, fin-tech and healthcare industries.

Related product families

Product families related to this document are the following:

- [ThinkEdge SE455 V3 Server](#)
- [ThinkSystem SR650a V4 Server](#)
- [ThinkSystem SR675 V3 Server](#)

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