

AMD Epyc Processors in Lenovo Servers

Written by Marco Attard
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Lenovo announces a pair of dual-socket servers running on AMD Epyc 7002 series processors-- the ThinkSystem SR645 and SR665, both featuring enhanced performance and I/O connectivity for higher performance workloads.



The two servers support up to 128 cores, together with up to 4TB of DDR4 memory. Lenovo adds the adoption of PCIe 4.0 technology delivers double the I/O bandwidth of previous-generation servers, eliminating potential bottlenecks and increasing network capabilities. The company adds the servers are ideal for financial services, retail and manufacturing applications, as well as customers wanting to run performance-sensitive workloads at higher speeds with lower total cost of ownership.

“Our new Lenovo ThinkSystem servers are designed for workloads such as in-memory databases, advanced analytics, virtualisation, and AI,” the company says. “With the exceptional power, speed and onboard storage of these new servers, our customers have the ability to handle the increasing data requirements of today’s workloads with the scalability to grow with their business.”

The SR645 is a 1U server with capacity of up to x4 3.5-inch drives, up to x12 2.5-inch HDDs or x10 NVMe drives. It also supports up to x3 single-width 75W GPUs and includes an OCP 3.0 adapter slot together with x3 PCIe slots. The larger SR665 is a 2U unit, and supports up to x20 3.5-inch drives, x40 2.5-inch HDDs or x32 NVMe drives. It accomodates up to x6 single-width 150W GPUs or x3 double-widht 300W GPUs, and includes x1 OCP 3.0 expansion slot and x8 PCIe 4.0 slots.

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Lenovo secures both servers with ThinkShield and offers them through TruScale, the pay-for-what-you-use datacentre service.

Go [Lenovo Provides Customers with an Epyc Choice in Data Center Servers](#)