

## ThinkSystem SR675 V3 Sets World Record with New SPECpower on Linux Benchmark Result Performance Benchmark Result

Lenovo has published a new SPECpower\_ssj 2008 benchmark result that has set one new world record. The result has been achieved on the powerful Lenovo ThinkSystem SR675 V3 server using the new AMD EPYC 9845 processor.

The world-record benchmark result is:

- Best score on a 2-processor, 3U rack system running Linux Server

The SPECpower\_ssj 2008 benchmark is an industry-standard benchmark that evaluates the power and performance characteristics of single servers and multi-node servers.

The ThinkSystem SR675 V3 server achieved the following score :

- **SPECpower\_ssj2008 = 39,362 overall ssj\_ops/watt**

The SR675 V3 was configured as follows:

- 2x AMD EPYC 9845 ("Turin") processors (160 cores, 2.10 GHz, 320 MB L3 cache)
- 384 GB of DDR5 memory
- 1x 240GB M.2 SSD
- SUSE Linux Enterprise Server 15 SP6
- Oracle Java HotSpot (TM) 64-Bit Server VM (build 17.0.10+11-LTS-240, mixed mode, sharing), version 17.0.10

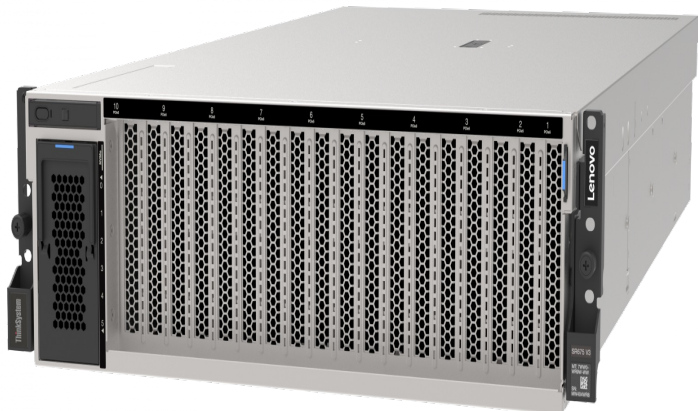
Results referenced are current as of November 19, 2024.

This benchmark result can be found at the following web page:

[https://spec.org/power\\_ssj2008/results/res2024q4/power\\_ssj2008-20241104-01468.html](https://spec.org/power_ssj2008/results/res2024q4/power_ssj2008-20241104-01468.html)

To view all SPECpower\_ssj 2008 results, see the following page:

[https://www.spec.org/power\\_ssj2008/results/](https://www.spec.org/power_ssj2008/results/)



## About the ThinkSystem SR675 V3

The Lenovo ThinkSystem SR675 V3 is a powerful and versatile server designed to meet the demands of modern data center environments. The server delivers optimal performance for Artificial Intelligence (AI), High Performance Computing (HPC) and graphical workloads across an array of industries. The SR675 V3 is a versatile GPU-rich 3U rack server that supports eight double-wide GPUs including the new NVIDIA H100 and L40S Tensor Core GPUs, or the NVIDIA HGX H100 4-GPU offering with NVLink and Lenovo Neptune hybrid liquid-to-air cooling.

The server is based on the new 5th Gen AMD EPYC 9005 Series processors (formerly codenamed "Turin") and on the AMD EPYC 9004 Series processors (formerly codenamed "Genoa", "Genoa-X" and "Bergamo") with up to 160 PCIe lanes and up to 3TB of the latest DDR5 memory. Multiple drive options using SAS/SATA and NVMe with hot-swap capabilities and XClarity system management software enable changes to be made quickly with ease. The versatile design doesn't stop at storage; the SR675 V3 includes support for multiple options for GPU and PCIe to satisfy graphics, speed, and budget requirements.

## About SPECpower

The SPEC Power benchmark suite measures the power and performance characteristics of server-class computer equipment. It is used to compare power and performance among different servers and serves as a toolset for use in improving server efficiency. This benchmark is targeted for use by hardware vendors, IT industry, computer manufacturers, and governments.

## Learn more

To learn more about power-efficient solutions for compute-intensive applications, please contact your Lenovo Sales Representative.

To find out more about SPEC, visit <https://www.spec.org>

To learn more about the Lenovo ThinkSystem SR675 V3 server, visit the SR675 V3 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/racks/thinksystem-sr675-v3/7d9r1000na>

## Related product families

Product families related to this document are the following:

- [2-Socket Rack Servers](#)
- [SPECpower Benchmark Results](#)
- [ThinkSystem SR675 V3 Server](#)

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