

## ThinkSystem SR665 V3 Sets World Record with New SPECpower on Linux Benchmark Result Performance Benchmark Result

The Lenovo ThinkSystem SR665 V3 has set a new two-processor 2U rack server performance world record on Linux for the SPECpower\_ssj 2008 benchmark.

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 SR665 V3 delivered the following SPECpower\_ssj 2008 2U 2S world record performance result on Linux:

- **SPECpower\_ssj2008 = 27,118 overall ssj\_ops/watt**

The SR665 V3 was configured as follows:

- 2x AMD EPYC 9654 Processors (96 cores, 2.40 GHz, 384 MB L3 Cache)
- 384 GB of DDR5 memory.
- 1x 240GB M.2 SSD
- Red Hat Enterprise Linux 8.6
- Oracle Java HotSpot 64-bit Server VM 18.9 (build 11.0.15.1+2-LTS-10, mixed mode)

Results referenced are current as of November 10, 2022.

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

[https://spec.org/power\\_ssj2008/results/res2022q4/power\\_ssj2008-20221026-01193.html](https://spec.org/power_ssj2008/results/res2022q4/power_ssj2008-20221026-01193.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 SR665 V3

The ThinkSystem SR665 V3 is a 2S 2U rack server built with the performance and flexibility to manage a complex set of workloads like data management, analytics, virtualization, cloud, and AI. The 256 cores of the dual 4th Gen AMD EPYC™ processors with up to 160 PCIe lanes and up to 6TB of the latest DDR5 memory, maximize the performance of this 2U server.

The SR665 V3 is designed to support today's infrastructure and easily scale to prepare for next gen workloads. 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 SR665 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 SR665 V3 server, visit the SR665 V3 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/racks/thinksystem-sr645/77xx7sr352s>

## Related product families

Product families related to this document are the following:

- [2-Socket Rack Servers](#)
- [SPECpower Benchmark Results](#)
- [ThinkSystem SR665 V3 Server](#)

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