

ThinkSystem SR665 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 a new world record. The result has been achieved on the powerful Lenovo ThinkSystem SR665 V3 server using the new AMD EPYC 9754 processor.

The world-record benchmark result is:

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

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 server achieved the following score:

- **SPECpower_ssj2008 = 33,012 overall ssj_ops/watt**

The SR665 V3 was configured as follows:

- 2x AMD EPYC 9754 ("Bergamo") processors (128 cores, 2.25 GHz, 256 MB L3 cache)
- 384 GB of DDR5 memory.
- 1x 240GB M.2 SSD
- SUSE Linux Enterprise Server 15 SP4
- 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 June 13, 2023.

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

https://www.spec.org/power_ssj2008/results/res2023q2/power_ssj2008-20230523-01263.html

To view all SPECpower_ssj 2008 results, see the following page:

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-sr665-v3/len21ts0009>

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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