

ThinkSystem SR655 V3 Sets World Record with New SPECpower2008 on Windows Benchmark Result Performance Benchmark Result

Lenovo has published a new SPECpower_ssj 2008 benchmark result that has set one new world records. The result has been achieved on the powerful Lenovo ThinkSystem SR655 V3 server using the new AMD EPYC 9655 processor.

The world-record benchmark results are:

- Best score on a 1-processor, 2U rack system running Microsoft Windows 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 SR655 V3 server achieved the following score :

- **SPECpower_ssj2008 = 33,182 overall ssj_ops/watt**

The SR655 V3 was configured as follows:

- 1x AMD EPYC 9655 ("Turin") processor (96 cores, 2.60 GHz, 384 MB L3 cache)
- 192 GB of DDR5 memory
- 1x 240GB M.2 SSD
- Microsoft Windows Server 2022 Datacenter Edition
- Oracle Java HotSpot (TM) 64-Bit Server VM (build 17.0.10+11-LTS-240, mixed mode)

Results referenced are current as of October 10, 2024.

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

https://spec.org/power_ssj2008/results/res2024q4/power_ssj2008-20240923-01455.html

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

https://www.spec.org/power_ssj2008/results/

About the ThinkSystem SR655 V3

The Lenovo ThinkSystem SR655 V3 is a 1-socket 2U server that features the 5th Gen AMD EPYC "Turin" family processors. With up to 160 cores per processor and support for the new PCIe 5.0 standard for I/O, the SR655 V3 offers the ultimate 1-socket server performance in a 2U form factor. The server is ideal for dense workloads that can take advantage of GPU processing and high-performance NVMe drives.

The SR655 V3 server is a highly agile offering, supporting 31 different drive bay configurations utilizing the front, middle and rear locations of the server. It also includes 6 different slot configurations at the rear of the server. This adds flexibility to ensure that you can configure the server exactly the way your workload requires.

Combining performance and flexibility, the SR655 V3 server is a great choice for enterprises of all sizes. The server offers a broad selection of drive and slot configurations and offers high performance features that industries such as finance, healthcare and telco need. Outstanding reliability, availability, and serviceability (RAS) and high-efficiency design can improve your business environment and can help save operational costs.

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 SR655 V3 server, visit the SR655 V3 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/racks/thinksystem-sr655-v3/len21ts0021>

Related product families

Product families related to this document are the following:

- [1-Socket Rack Servers](#)
- [SPECpower Benchmark Results](#)
- [ThinkSystem SR655 V3 Server](#)

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