ThinkSystem SR635 V3 Sets World Record with New SPECPower on Windows 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 SR635 V3 server using the new AMD EPYC 9845 processor.

The world-record benchmark results are:

- Best score on a 1-processor, 1U 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 SR635 V3 server achieved the following score :

- **SPECpower_ssj2008 = 40,528 overall ssj_ops/watt**

The SR635 V3 was configured as follows:

- 1x AMD EPYC 9845 ("Turin") processor (160 cores, 2.10 GHz, 320 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 December 17, 2024.

This benchmark result can be found at the following web page:
https://spec.org/power_ssj2008/results/res2024q4/power_ssj2008-20241118-01474.html

To view all SPECpower_ssj 2008 results, see the following page:
https://www.spec.org/power_ssj2008/results/

About the ThinkSystem SR635 V3

The versatile ThinkSystem SR635 V3 provides better performance per cost, powered by a single 5th Gen AMD EPYC™ "Turin" family processor. The SR635 V3 is designed with storage-rich flexibility, by including up to 12x 2.5" hot-swappable drives with combinations of SAS/SATA, NVMe, or AnyBay™ technologies. It is easily configured for today's workloads, such as virtualization and private cloud, and can easily scaled up or down as needed.

Ideal for business applications and intensive workloads, the SR635 V3 is reliable, secure and easy to manage. ITIC named Lenovo servers #1 for reliability and uptime. Security with Lenovo ThinkShield also begins at the factory with our Root of Trust and follows the server throughout its life. The addition of Lenovo XClarity system management software also enable easy management from any location.

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 SR635 V3 server, visit the SR635 V3 product web page: https://www.lenovo.com/us/en/p/servers-storage/servers/racks/thinksystem-sr635-v3/len21ts0020

Related product families

Product families related to this document are the following:

- 1-Socket Rack Servers
- SPECpower Benchmark Results
- ThinkSystem SR635 V3 Server

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