

## ThinkSystem SR665 V3 Sets 6 World Records with New SPECcpu Benchmark Result Performance Benchmark Result

The Lenovo ThinkSystem SR665 V3 server has set six performance world records for compute-intensive applications with new results of the SPEC CPU2017 benchmark.

These new benchmark results, published in new SPEC reports on November 10, 2022, demonstrate that the ThinkSystem SR665 V3 continues Lenovo's leadership with outstanding performance for the server industry.



The ThinkSystem SR665 V3 has achieved the following scores:

- **SPECspeed2017\_fp\_energy\_base: 688**
- **SPECspeed2017\_fp\_energy\_base: 718**
- **SPECrate2017\_int\_energy\_base: 1890**
- **SPECrate2017\_int\_energy\_peak: 1990**
- **SPECrate2017\_fp\_energy\_base: 1950**
- **SPECrate2017\_fp\_energy\_peak: 2010**

SPECspeed2017 scores are ideal for measuring single-threaded compute-intensive applications, such as High Frequency Trading (HFT) and other financial industry workloads.

SPECrate2017 scores are ideal for measuring multi-threaded compute-intensive applications, such as High Performance Computing (HPC) workloads.

The Lenovo ThinkSystem SR665 V3 server was configured as follows:

- 2x AMD EPYC 9654 processor (each 96 cores, 2.40 GHz, 384 MB L3 cache)
- 768 GB system memory
- Red Hat Enterprise Linux Server 8.6

The results are current as of November 10, 2022. To view details of the results, see the following SPEC web pages:

- SPECspeed2017\_fp\_energy\_base(9654, 768 GB, RHEL 8.6)  
<https://spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32632.html>
- SPECspeed2017\_fp\_energy\_peak(9654, 768 GB, RHEL 8.6)  
<https://spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32631.html>
- SPECrate2017\_int\_energy\_base(9654, 768 GB, RHEL 8.6)  
<https://spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32633.html>
- SPECrate2017\_int\_energy\_peak(9654, 768 GB, RHEL 8.6)  
<https://spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32633.html>
- SPECrate2017\_fp\_energy\_base(9654, 768 GB, RHEL 8.6)  
<https://spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32630.html>

- SPECrate2017\_fp\_energy\_peak(9654, 768 GB, RHEL 8.6)  
<https://spec.org/cpu2017/results/res2022q4/cpu2017-20221024-32634.html>

To view all SPEC CPU2017 results, go to  
<http://www.spec.org/cpu2017/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 SPEC CPU2017

SPEC CPU 2017 is SPEC's next-generation, industry-standardized, CPU intensive suite of benchmarks for measuring and comparing compute intensive performance, stressing a system's processor, memory subsystem and compiler. This benchmarks provides a comparative measure of compute-intensive performance using workloads developed from real user applications.

The SPEC CPU 2017 benchmark suite measures server performance in the following ways:

- SPECspeed 2017 is to compare time for a computer to complete single tasks
- SPECrate 2017 is to measure the throughput or work per unit of time.

This benchmark is targeted for use by hardware vendors, IT industry, computer manufacturers, and government.

## Learn more

To learn more about 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](#)
- [SPECcpu Benchmark Results](#)
- [ThinkSystem SR665 V3 Server](#)

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