

Two World Record SPEC CPU2017 Benchmark Results for 1-Processor ThinkSystem SR630 Performance Benchmark Result (withdrawn product)

November 8, 2017... Lenovo has published two top SPEC CPU2017 benchmark scores for the Lenovo ThinkSystem SR630 rack server with one Intel Xeon Platinum 8180 processor. The top scores were for metrics SPECspeed2017_int_base and SPECspeed2017_fp_base.

The SPECspeed2017_int_base and SPECspeed2017_fp_base scores are ideal for measuring single-threaded compute-intensive applications, such as High Frequency Trading (HFT) and other financial industry workloads.

The ThinkSystem SR630 with one processor achieved the following scores:

- **SPECspeed2017_int_base = 9.34**
- **SPECspeed2017_fp_base = 85.2**

The ThinkSystem SR630 was configured as follows:

- One Intel Xeon Platinum 8180 processor (2.5 GHz, 38.5 MB L3 cache, 28 cores)
- 192 GB of Lenovo TruDDR4 memory
- SUSE Linux Enterprise Server 12 SP2

The results are current as of November 8, 2017. To view details of the result, go to these pages:

- [SPECspeed2017_int_base result](#)
- [SPECspeed2017_fp_base result](#)

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

Lenovo ThinkSystem SR950

About the ThinkSystem SR630

Lenovo ThinkSystem SR630 is an ideal 2-socket 1U rack server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth. The SR630 server is designed to handle a wide range of workloads, such as databases, virtualization and cloud computing, virtual desktop infrastructure (VDI), infrastructure security, systems management, enterprise applications, collaboration/email, streaming media, web, and HPC.

Featuring the Intel Xeon Processor Scalable Family, the SR630 server offers scalable performance and storage capacity. The SR630 server supports up to two processors, up to 1.5 TB (support for up to 3 TB is planned for future) of 2666 MHz TruDDR4 memory, up to 12x 2.5-inch or 4x 3.5-inch drive bays with an extensive choice of NVMe PCIe SSDs, SAS/SATA SSDs, and SAS/SATA HDDs, and flexible I/O expansion options with the LOM slot, the dedicated storage controller slot, and up to 3x PCIe slots.

The SR630 server offers basic or advanced hardware RAID protection and a wide range of networking options, including selectable LOM, ML2, and PCIe network adapters. The next-generation Lenovo XClarity Controller, which is built into the SR630 server, provides advanced service processor control, monitoring, and alerting functions.

About SPEC CPU2017

SPEC CPU 2017 is SPEC's 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 SR630 server, visit the [SR630 product web page](#).

Related product families

Product families related to this document are the following:

- [2-Socket Rack Servers](#)
- [SPECcpu Benchmark Results](#)
- [ThinkSystem SR630 Server](#)

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