

ThinkSystem SR860 V4 Sets World Record with New SPECcpu Benchmark Result

Performance Benchmark Result

The Lenovo ThinkSystem SR860 V4 server has set one performance world record for compute-intensive applications with new result of the SPEC CPU 2017 benchmark.

The benchmark world record is:

- Best SPECspeed2017_fp_base score on a 4-processors system

These new benchmark results, published in new SPEC reports on August 26, 2025, demonstrate that the ThinkSystem SR860 V4 continues Lenovo's leadership with outstanding performance for the server industry.

The ThinkSystem SR860 V4 achieved the following SPEC CPU 2017 score:

- **SPECspeed2017_fp_base: 419 (1)**

SPECrate2017 scores are ideal for measuring single-threaded compute-intensive applications, such as High Frequency Trading (HFT) and other financial industry workloads.

The Lenovo ThinkSystem SR860 V4 server was configured as follows:

- 4 x Intel Xeon 6788P processor - 86 cores, 2.00 GHz, 336 MB L3 cache
- 2 TB system memory
- SUSE Linux Enterprise Server 15 SP7

The result is current as of August 26, 2025. To view details of the result, see the following SPEC web page:

(1) Best 4-CPU SPECspeed2017_fp_base score. Used SUSE 15SP7
<https://spec.org/cpu2017/results/res2025q3/cpu2017-20250811-49354.html>



To view all SPEC CPU 2017 results, go to
<http://www.spec.org/cpu2017/results/>

About the ThinkSystem SR860 V4

The Lenovo ThinkSystem SR860 V4 is an ideal 4-socket 4U rack server for customers that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth. The server offers technology advances, including Intel® Xeon® 6700-Series processors, up to 16 TB of 6400 MHz DDR5 memory, and up to 18x PCIe slots for adapters.

With four Intel® Xeon® 6700-Series processors, massive memory capacity and available expansion for up to four enterprise-class GPUs and up to 56 drives, the Lenovo ThinkSystem SR860 V4 is designed to be the scalable, performance-tuned engine that can tackle compute-intensive applications like visualization, machine learning, artificial intelligence, analytics, and 3D modeling. Add to that an optional Neptune™ Core liquid cooling module to enable even higher sustained performance, and the ThinkSystem SR860 V4 stands out as an enterprise-class system, delivering performance and efficiency without compromise. See more information at <https://lenovopress.lenovo.com/datasheet/ds0197-thinksystem-sr860-v4>

About SPEC CPU 2017

SPEC CPU 2017 is SPEC's industry-standard suite of benchmarks for measuring and comparing compute intensive performance, stressing a system's processor, memory subsystem and compiler. This benchmark 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 SR860 V4 server, visit the SR860 V4 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/large-memory/lenovo-thinksystem-sr860-v4/len21ts0045?orgRef=https%253A%252F%252Flenovopress.lenovo.com%252F>

Related product families

Product families related to this document are the following:

- [4-Socket Rack Servers](#)
- [SPECcpu Benchmark Results](#)
- [ThinkSystem SR860 V4 Server](#)

Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service. Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

Lenovo (United States), Inc.
8001 Development Drive
Morrisville, NC 27560
U.S.A.
Attention: Lenovo Director of Licensing

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary. Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk. Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

© Copyright Lenovo 2025. All rights reserved.

This document, LP2306, was created or updated on October 21, 2025.

Send us your comments in one of the following ways:

- Use the online Contact us review form found at:
<https://lenovopress.lenovo.com/LP2306>
- Send your comments in an e-mail to:
comments@lenovopress.com

This document is available online at <https://lenovopress.lenovo.com/LP2306>.

Trademarks

Lenovo and the Lenovo logo are trademarks or registered trademarks of Lenovo in the United States, other countries, or both. A current list of Lenovo trademarks is available on the Web at <https://www.lenovo.com/us/en/legal/copytrade/>.

The following terms are trademarks of Lenovo in the United States, other countries, or both:

Lenovo®

Neptune®

ThinkSystem®

The following terms are trademarks of other companies:

Intel® and Xeon® are trademarks of Intel Corporation or its subsidiaries.

Linux® is the trademark of Linus Torvalds in the U.S. and other countries.

SPEC®, SPEC CPU®, SPECrate®, and SPECspeed® are trademarks of the Standard Performance Evaluation Corporation (SPEC).

Other company, product, or service names may be trademarks or service marks of others.