ThinkEdge SE100-1U3N 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 record. The result has been achieved on the powerful Lenovo ThinkEdge SE100 server using the new Intel Core Ultra 7 255H.

The world-record benchmark results are:

- Best score on a 1-processor 3 node, 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 ThinkEdge SE100 server achieved the following score :

- **SPECpower_ssj2008 = 14,691 overall ssj_ops/watt**

The SE100 was configured as follows:

- 1x Intel Core Ultra 7 255H processors (16 cores, 2.00 GHz, 24 MB L3 cache)
- 16GB of DDR5 memory
- 1x 240GB M.2 SSD
- Microsoft Windows Server 11 Enterprise
- Oracle Java HotSpot (TM) 64-Bit Server VM (build 17.0.10+11-LTS-240, mixed mode)

Results referenced are current as of September 9, 2025.

This benchmark result can be found at the following web page:
https://www.spec.org/power_ssj2008/results/res2025q3/power_ssj2008-20250826-01534.html

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

About the ThinkEdge SE100

The ThinkEdge SE100 is a purpose-built server that is 1/3 width and significantly shorter than a traditional server, making it ideal for deployment in tight spaces. It can be mounted on a wall, desktop or mounted in a rack. The ThinkEdge SE100 server is Artificial Intelligence optimized with increased processing power, storage and network closer to where data is generated. For customers that want to install server outside data center looking for reduced latency by processing at the edge.

The ThinkEdge SE100 has a compact design, low power usage, and high performance are just the right combination for edge locations. Target workloads for retail and manufacturing markets: Machine Learning, Augmented Reality, Video Analytic, Workload consolidation and Smart surveillance, Edge AI, Realtime processing.https://lenovopress.lenovo.com/lp1995-lenovo-thinkedge-se100-server.

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 ThinkEdge SE100 server, visit the SE100 product web page: https://www.lenovo.com/us/en/p/servers-storage/servers/edge/thinkedge-se100/len21te0020

Related product families

Product families related to this document are the following:

- Edge Servers
- SPECpower Benchmark Results
- ThinkEdge SE100 Server

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