HPE ProLiant DL145 Gen11 wins energy efficiency record with AMD EPYC™ 8534P processor and Linux

Key takeaways

HPE ProLiant DL145 Gen11 records

- **Top energy efficiency with one AMD EPYC 8534P processor and Linux operating system**
- **Defeats Lenovo ThinkEdge SE455 V3 by 1.06%**

About the SPECpower_ssj 2008 benchmark

SPECpower_ssj 2008 is the first industry-standard SPEC benchmark that evaluates the power and performance characteristics of volume server class computers. It is used to compare power and performance among different servers and serves as a toolset for use in improving server efficiency. The benchmark is targeted for use by hardware vendors, IT industry, computer manufacturers, and governments.*

*spec.org/power_ssj2008/

SPECpower_ssj® 2008 leadership result

Executive summary

The HPE ProLiant DL145 Gen11 is the most energy efficient Linux server configured with an AMD EPYC 8534P processor on the SPECpower_ssj® 2008 benchmark. The server's result provides a proof point for its ability to provide sustainable IT, defeating a similarly configured Lenovo platform.

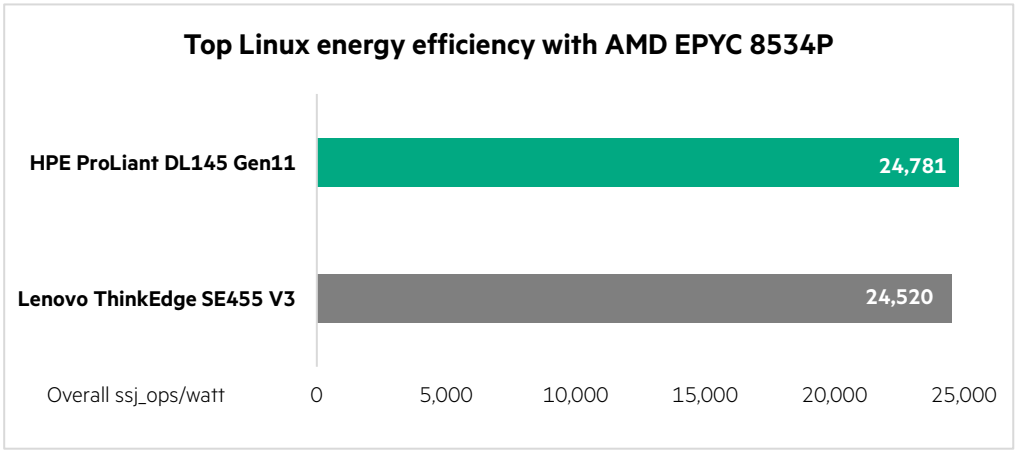

Figure 1. Top Linux results on SPECpower_ssj 2008 benchmark with AMD EPYC 8534P

Customer value with HPE

HPE ProLiant DL145 Gen11 Server. The HPE ProLiant DL145 Gen11 server is a 2U, single processor, robust edge computing server for retail, manufacturing, telecommunications, and various other industries. It is engineered for today's hybrid world, allowing enterprises to virtualize traditional IT applications to power their businesses and accelerate AI success.

The server supports one 4th Generation AMD EPYC™ 8004 Zen4c processor with up to 64 cores, DDR5 memory at up to 4800 MT/s, PCIe Gen5, and high-performance EDSFF drives. It can operate continuously in temperatures up to 55° C and withstand high-dust and high-vibration environments. The server includes HPE iLO 6 remote management and security enhancements

Security. Hewlett Packard Enterprise delivers trusted security by design, with silicon root of trust from HPE, enabled by HPE Integrated Lights-Out (HPE iLO). Hardware-based security starts with HPE iLO, building on a proven 20-year history with new features that strengthen security. HPE innovates supply chain security, provisioning servers with initial device identification to further enable a Zero Trust environment, which allows the cryptographic authentication of HPE servers and HPE iLO.

HPE GreenLake

Bottom line

These benchmark records are proof points for the energy-efficient leadership capability of the HPE ProLiant DL145 Gen11 server. HPE continues to be on the cutting edge by designing products that stand the test of time with innovations that are ahead of their time.

Learn more

HPE ProLiant DL145 Gen11 Documents

HPE server performance briefs

Explore HPE GreenLake

Chat now (sales)

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