

HPE ProLiant DL385 Gen11 server wins multiple world records on decision support workload



Key takeaways

HPE ProLiant DL385 Gen11 server achieved the following records on the TPC-H @ 10TB benchmark:

- #1 overall performance
- #1 overall price-performance
- #1 2P performance
- #1 2P price-performance
- #1 Windows performance
- #1 Windows price-performance

Superiority deltas:

- 31.5% more performance than Dell PowerEdge R7625
- 30.2% more cost effective than Dell PowerEdge R7625

All results as of: 04/27/2025.

#1 overall world record performance and price-performance on TPC-H at 10TB benchmark

Executive summary

The HPE ProLiant DL385 Gen11 server with AMD EPYC™ processors achieved six records on the 10 TB scale factor of the TPC-H benchmark with a score of 3,577,603 QphH and a price/kQphH (USD) of \$342. These results represent #1 overall performance and price-performance, #1 2P performance and price-performance, and #1 Windows performance and price-performance. The HPE ProLiant DL385 Gen11 achieved 31.5% more performance and 30.2% better cost effectiveness than the Dell PowerEdge R7625. The benchmark scores provide confidence for customers seeking robust decision support server deployments.

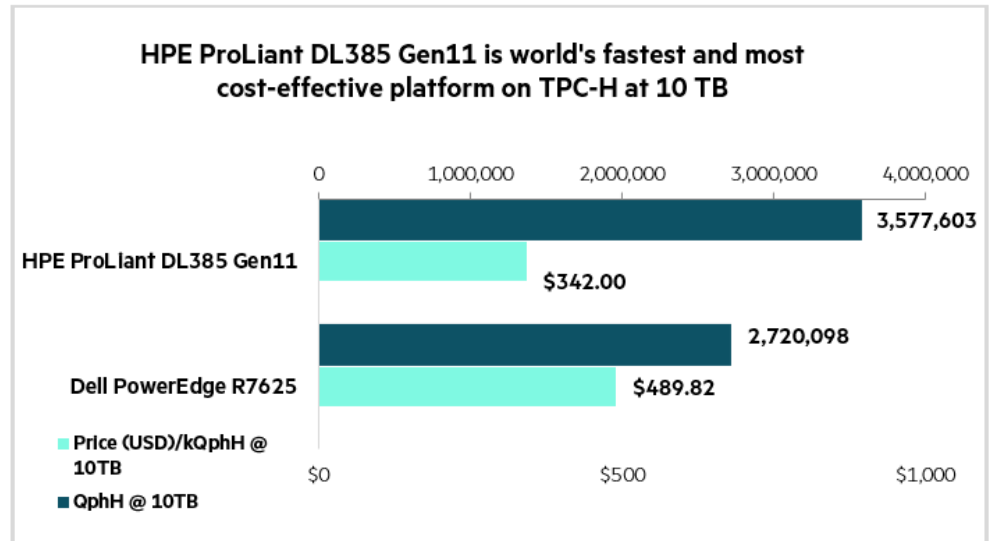


Figure 1. Top results on the TPC-H benchmark at the 10 TB scale factor

Server configurations

HPE ProLiant DL385 Gen11 with AMD EPYC 9575F Processors @ 3.30 GHz:

- 2 processors/128 cores/256 threads
- 3 TB memory
- Score: 3,577,603 QphH @ 10,000GB and \$342 USD / kQphH@10,000GB
- Microsoft SQL Server 2022 Enterprise Edition
- Microsoft Windows Server 2025
- System availability 04/30/2025
- See tpc.org/3403.

Dell PowerEdge R7625 with AMD EPYC 9554 Processors @ 3.1 GHz

- 2 processors/128 cores/256 threads
 - 6 TB memory
 - Score: 2,720,098 QphH @ 10,000GB and \$489.82 USD/kQphH @ 10,000GB
 - Microsoft SQL Server 2022 Enterprise Edition 64-bit
 - Microsoft Windows Server 2022 Standard Edition
 - System availability 3/20/2024
- See tpc.org/3391.

Note:

The TPC believes that comparisons of TPC-H results measured against different database sizes are misleading and discourages such comparisons.

Customer value with Hewlett Packard Enterprise

HPE ProLiant DL385 Gen11 server

The HPE ProLiant DL385 Gen11 server is a 2U 2P solution that delivers exceptional compute performance, upgraded high-speed data transfer rate and memory depth at 2P compute capability. Powered by 5th Generation AMD EPYC™ Processors with up to 160 cores, increased memory bandwidth and capacity, high-speed PCIe Gen5 I/O, enhanced GPU support, and EDSFF storage, the HPE ProLiant DL385 Gen11 server is a superb accelerator-optimized 2U 2P solution.

Enhanced security features with the silicon root of trust from HPE are built into the firmware, creating a digital fingerprint for the AMD Secure Processor to validate safe operation prior to boot. HPE ProLiant DL385 Gen11 server is an excellent choice for compute and data storage demanding workloads requiring increased core count, and storage and I/O scalability.

Industry-leading 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.

Bottom line

These benchmark world records are proof points for the excellent decision support performance and price-performance of the HPE ProLiant DL385 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 at

[HPE ProLiant DL385 Gen11 server documents](#)

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