Hewlett Packard Enterprise

HPE ProLiant DL325 Gen10 Server

ProLiant DL Servers

What's new

- This AMD EYPC based platform delivers 25% better price/performance [2] and 27% lower cost per VM. [3]
- HPE ProLiant DL325 Gen10 sets the bar for single socket virtualization performance leadership with SPECvirt_sc2013 score of 1500@ 84VMs.
- Delivering security with HPE silicon root of trust and AMD EPYC Secure Processor.
- A single socket platform providing up to 32 cores and 2 TB of memory - ideal for virtualized environments.
- Up to ten low latency NVMe drives can

Overview

Do you need a dense platform with built-in security and flexibility that addresses key applications such as virtualization and software-defined storage (SDS)? With the HPE ProLiant DL325 Gen10 server, Hewlett Packard Enterprise is extending the worlds' most secure industry standard servers [1] product families. This a secure and versatile single socket (1P) 1U AMD EPYC™ based platform offers an exceptional balance of processor, memory and I/O for virtualization and data intensive workloads. With up to 32 cores, up to 16 DIMMs, 2 TB memory capacity and support for up to 10 NVMe drives, this server delivers 2P performance with 1P economics.

deliver software-defined storage (SDS) and high performance storage applications.

- New 64 GB RDIMM based on 16Gb technology providing better performance and higher power efficiency.

Features

Innovative design to take full advantage of the AMD infrastructure

HPE ProLiant DL325 Gen10 server has a dense chassis that accommodates up to ten SFF, up to four LFF, or up to ten NVMe drive options as well as up to three PCIe 3.0 slots.

The embedded SATA HPE Smart Array S100i Controller ships standard and the redesigned HPE Smart Array Essentials and Performance Controllers allow you the flexibility to choose the 12 Gbps controller most suited to your environment.

Along with an embedded 4x1GbE, you have a choice of HPE FlexibleLOM or PCIe standup adapters, which offer a choice of networking bandwidth (1GbE to 4x10GbE) and fabric so you can adapt and grow to changing business needs.

Supporting a wide range of operating environments such as ClearOS and ClearVM Software from HPE in addition to traditional operating systems.

Security Innovations

Only Hewlett Packard Enterprise offers industry standard servers, such as the HPE ProLiant DL325 Gen10 server, with major firmware anchored directly into the silicon and with security protection built in across the server life-cycle starting with silicon root of trust.

Millions of lines of firmware code run before server operating system boots and with Runtime Firmware Verification, enabled by the optional HPE iLO Advanced Premium Security Edition, the server's firmware is checked every 24 hours verifying validity and credibility of essential system firmware.

Secure Recovery allows server firmware to roll back to the last known good state or factory settings after detection of compromised server.

Additional security options are available with Trusted Platform Module (TPM) to avoid unauthorized access to the server and store artifacts used to authenticate the server platforms, while the Intrusion Detection kit logs and alerts when the server hood is removed for further protection.

Delivering 2P Performance At 1P Economics

When comparing SPEC CPU results of a competitor's server with two Intel® Xeon® Gold 5118 processors, the HPE ProLiant DL325 Gen10 Server with only a single AMD EPYC 7551P processor provided similar results but at a lower price.

HPE ProLiant DL325 Gen10 server supports industry standard technology utilizing the AMD EPYC 7000 series processor family with up to 32 cores, 12Gb SAS and 2.0 TB of HPE DDR4 SmartMemory.

Delivering high performance industry standard HPE Smart Memory up to 2666 MT/s DDR4 memory with up to 2 TB capacity.

Industry Leading Services and Ease of Deployment

HPE ProLiant DL325 Gen10 server comes standard with a complete set of services from HPE Pointnext, delivering confidence, reducing risk and helping customers realize agility and stability.

Services from HPE Pointnext simplifies the stages of your IT journey. Advisory and Transformation Services professionals understand customer challenges and design an ideal solution. Professional Services enables rapid deployment of solutions.

Services provided under Operational Services include: HPE GreenLake Flex Capacity, HPE Datacenter Care - Infrastructure Automation, HPE Campus Care, HPE Proactive Services and HPE Datacenter Care for Multi Vendor. Operational

Services provides the ongoing support.

Hewlett Packard Enterprise IT investment solutions help you transform to a digital business with IT economics that align to your business goals.

Technical specifications — HPE ProLiant DL325 Gen10 Server

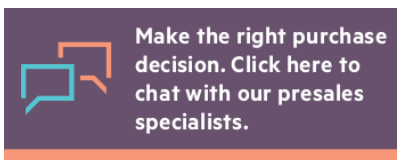|	
Processor family	AMD EPYC™ 7000 Series
Processor core available	32 or 24 or 16 or 8, depending on processor
Processor cache	32.00 MB L3 or 64.00 MB L3, depending on processor
Processor speed	3.2 GHz, maximum depending on processor
Expansion slots	3, for detail descriptions reference the QuickSpecs
Maximum memory	2.0 TB with 128 GB DDR4
Memory slots	16
Memory type	HPE DDR4 SmartMemory
Memory protection features	ECC
Network controller	HPE 1 Gb 331i Ethernet adapter 4-ports per controller and/or optional FlexibleLOM and/or optional PCIe Network adapters, depending on model
Storage controller	1 HPE Smart Array P408i-a and/or 1 HPE Smart Array P816i-a and/or 1 HPE Smart Array E208i-a, depending on model
Minimum dimensions (H x W x D)	4.29 x 43.46 x 61.49 cm
Weight	10.70 kg minimum
Infrastructure management	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) HPE iLO Advanced, HPE iLO Advanced Premium Security Edition and HPE OneView Advanced (require licenses)
Warranty	3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: http://h20564.www2.hpe.com/hpsc/wc/public/home. Additional HPE support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at http://www.hpe.com/support.

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

[1] Based on external firm conducting cyber security penetration testing of a range of server products from a range of manufactures, May 2017.

[2] SPEC and the names SPEC CPU and SPECrate are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The stated results are published as of 06-05-18; see spec.org and http://h20195.www2.hpe.com/V2/GetDocument.aspx?docname=a00047709enw. Dell pricing from Dell site as of 05-16-18.

[3] Compared to Lenovo ThinkSystem SR650 based on SPECvirt_sc2013. SPEC and the benchmark name SPECvirt_2013 are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The stated results are published as of 06-05-18; see spec.org. Lenovo pricing from Lenovo site as of 05-14-18.

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