HPE ProLiant DL325 Gen10 server



What's new

- Next generation AMD® EPYC® 7xx2 Series Processor Family with the 7nm processor doubling [2] the core density from the previous generation.
- Faster application performance with increased memory speeds up to 2933 MT/s.
- With up to 64 cores and 128 threads per server, customers can take advantage of increased parallelism to run multithreaded simulations faster and run more single-threaded workloads simultaneously.
- Support for S100i Smart Array Controller

Overview

Do you need a platform purpose-built to address your High Performance Computing, virtualized, and memory-centric workloads?

Building on HPE ProLiant as the intelligent foundation for hybrid cloud, The HPE ProLiant DL325 Gen10 server offers the 2nd generation AMD EPYC™ 7000 Series processor delivering up to 2X [1] the performance of the prior generation. The HPE ProLiant DL325 delivers increased value to clients through intelligent automation, security and optimization. With more cores and increased memory bandwidth, the HPE ProLiant DL325 offers two-socket performance in a one-socket 1U rack profile.

provides software RAID capabilities.

- HPE InfoSight provides a cloud-based analytics tool that predicts and prevents problems before your business is impacted.
- Up to ten low latency NVMe drives can deliver software-defined storage (SDS) and high performance storage applications.

The HPE ProLiant DL325 Gen10 server with the AMD EPYC™ single socket architecture, enables businesses to acquire enterprise class processor, memory and I/O performance and security without having to purchase a dual processor.

Features

Delivering 2P Performance at 1P Economics

HPE ProLiant DL325 Gen10 server supports industry standard technology utilizing the AMD EPYC 7000 series processor family with up to 64 cores, 12Gb SAS and HPE SmartMemory up to 2933 MT/s DDR4 memory

HPE ProLiant DL325 Gen10 server has a dense chassis that accommodates up to 10 SFF, up to 4 LFF, or up to 10 NVMe drive options as well as up to 3 PCIe 3.0 slots.

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

Options for HPE FlexibleLOM or PCIe standup adapters offer a choice of networking bandwidth (1GbE to 4x10GbE) and fabric enabling you to scale to the changing needs of your business.

Automation

HPE iLO 5 monitors servers for ongoing management, service alerting, reporting and remote management to resolve issues quickly and keep your business running from anywhere in the world.

HPE OneView is an automation engine that transforms compute, storage, and networking into software-defined infrastructure to automate tasks and speed business process implementations.

HPE InfoSight provides built-in AI predicts problems before they happen, proactively resolves issues, and continually learns as it analyzes data—making every system smarter and more reliable.

HPE iLO RESTful API feature provides iLO RESTful API extensions to Redfish allowing you to take full advantage of the wide range of value-added API features, and integrate easily with leading orchestration tools.

Security

Silicon Root of Trust is an immutable fingerprint in the iLO silicon. The silicon root of trust validates the lowest level firmware to BIOS and software to ensure a known good state.

Tied into the silicon root of trust is the AMD Secure Processor, a dedicated security processor embedded in the AMD EPYC system on a chip (SoC). The security processor manages secure boot, memory encryption and secure virtualization.

Run Time Firmware Validation validates the iLO and UEFI/BIOS firmware at runtime. Notification and automated recovery is executed on detection of compromised firmware.

If system corruption has been detected Server System Restore will automatically alert iLO Amplifier Pack to initiate and manage the system recovery process, avoiding lasting damage to your business by quickly restoring firmware to the factory settings or the last known authenticated safe setting.

Optimization

HPE Right Mix Advisor provides data-driven guidance drives the ideal hybrid cloud mix for workloads allowing for intelligent planning speeding migrations from months to weeks and controlling the cost of migration.

HPE GreenLake Flex Capacity provides pay-per-use IT consumption on-

premises, with real-time tracking and metering of resource usage, so you have the capacity you need to deploy quickly, pay for the exact resources you consume, and avoid overprovisioning.

HPE Foundation Care helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

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 Financial Services helps you transform to a digital business with financing option and trade-in opportunities that align to your business goals.

Technical specifications — HPE ProLiant DL325 Gen10 server

Processor type	AMD
Processor name	AMD® EPYC® 7000 Series Processors
Processor family	AMD EPYC™ 7000 Series
Processor number	1
Processor core available	64 or 32 or 24 or 16 or 8, depending on processor
Processor cache	32.00 MB L3 or 64.00 MB L3 or 128 MB or 256 MB, depending on processor model
Processor speed	3.8 GHz, maximum depending on processor
Expansion slots	3, for detail descriptions reference the QuickSpecs
Maximum memory	2 TB with 128 GB DDR4
Memory slots	16
Memory type	HPE DDR4 SmartMemory
Memory protection features	ECC
Network controller	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
Product dimensions	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 OneView Advanced (require license)
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.
Drive supported	4 LFF SAS/SATA/SSD, 8 SFF SAS/SATA/SSD with Optional 2 SFF SAS/SATA/SSD or 2 SFF NVMe, 8 SFF NVMe with Optional 2 SFF NVMe or 2 SFF SAS/SATA/SSD depending on model

[1] Comparing the HPE ProLiant DL385 Gen10 with AMD EPYC™ 7702 processor versus the AMD EPYC™ 7601 processor, and based on SPECrate2017_base_int score results. SPEC and the names SPEC CPU and SPECrate are registered trademarks of the Standard Performance Evaluation Corporation (SPEC); see spec.org

[2] The first generation AMD EPYC processor offered up to 32 cores while the second generation AMD EPYC processor offers up to 64 cores.



For additional technical information, available models and options, please reference the QuickSpecs

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Find a partner

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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PSN1010868976WWEN, October, 2023.

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