



# HPE PROLIANT DL325 GEN10 PLUS SERVER

## ProLiant DL300 Servers



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### WHAT'S NEW

- Powered by the 2nd generation AMD® EPYC™ 7000 Series Processor Family with double [2] the core density compared to the previous generation.
- Support for PCIe Gen4, resulting in faster networking speed and higher bandwidth for network intensive applications.
- Faster application performance with increased memory speeds up to 3200 MT/s.
- Improved modularity and storage

### OVERVIEW

Do you need a platform purpose-built to address your virtualized, data intensive or memory-centric workloads?

Building on HPE ProLiant as the intelligent foundation for hybrid cloud, the HPE ProLiant DL325 Gen10 Plus 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, increased memory bandwidth, enhanced storage, and PCIe Gen4 capabilities, the HPE ProLiant DL325 offers two-socket performance in a one-

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capabilities with ability to upgrade to 24 SFF/12 LFF drives in a 1U box.

socket 1U rack profile.

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

## FEATURES

### Delivering 2P Performance at 1P Economics

HPE ProLiant DL325 Gen10 Plus server supports industry standard technology utilizing the 2nd generation AMD EPYC 7000 series processor family with up to 64 cores, PCIe Gen4 capabilities, and HPE SmartMemory up to 3200 MT/s DDR4 memory.

HPE ProLiant DL325 Gen10 Plus server has a dense, modular chassis that can accommodate up to 24 SFF SAS/SATA, up to 12 LFF SAS/SATA, or up to 24 NVMe drive options as well as up to 3 PCIe 4.0 slots.

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 OCP or PCIe standup adapters offer a choice of networking bandwidth 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 that 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 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 options and trade-in opportunities that align to your business goals.



## Technical specifications

## HPE ProLiant DL325 Gen10 Plus server

<b>Processor Name</b>	AMD® EPYC™ 7000 Series Processors
<b>Processor family</b>	2nd Generation AMD EPYC™ 7000 Series
<b>Processor core available</b>	64 or 48 or 32 or 24 or 16 or 8, depending on processor
<b>Processor cache</b>	64 MB L3 or 128 MB L3 or 192 MB or 256 MB, depending on processor model
<b>Processor speed</b>	3.4 GHz, maximum depending on processor
<b>Expansion slots</b>	3, for detail descriptions reference the QuickSpecs
<b>Maximum memory</b>	2.0 TB with 128 GB DDR4
<b>Memory, standard</b>	2 TB with 16 x 128 GB RDIMMs
<b>Memory slots</b>	16
<b>Memory type</b>	HPE DDR4 SmartMemory
<b>Memory protection features</b>	ECC
<b>System fan features</b>	Hot-plug redundant fans, standard
<b>Network controller</b>	Optional OCP and/or optional PCIe Network adapters, depending on model
<b>Storage controller</b>	HPE Smart Array P408i-a and/or HPE Smart Array P816i-a and/or HPE Smart Array E208i-a, and more, refer QuickSpecs for more details
<b>Minimum dimensions (H x W x D)</b>	4.28 X 43.46 X 82.62 cm (short chassis - 2 drive cages)
<b>Weight</b>	17 kg minimum
<b>Infrastructure management</b>	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) HPE iLO Advanced (require license)
<b>Warranty</b>	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: <a href="http://h20564.www2.hp.com/hpsc/wc/public/home">http://h20564.www2.hp.com/hpsc/wc/public/home</a> . 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 <a href="http://www.hp.com/support">http://www.hp.com/support</a> .
<b>Drive supported</b>	12 LFF SAS/SATA/SSD, 24 SFF SAS/SATA/NVMe/SSD, 16SFF with Optional 2x 2 SFF SAS/SATA/SSD or 2x 2 SFF NVMe or 2x 2uFF, 16 SFF NVMe with Optional 2x 2 SFF NVMe or 2 SFF SAS/SATA/SSD or 2x 2uFF depending on model



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## HPE POINTNEXT

Access expertise at every step of your IT journey with [HPE Pointnext Services](#). [Advisory Services](#) focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our [Professional](#) and [Operational Services](#) help speed up time-to-production and keep your IT stable and reliable.

### Operational Services from HPE Pointnext Services

- [HPE Datacenter Care](#) helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- [HPE Proactive Care](#) offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- [HPE Foundation Care](#) helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more.](#)

### Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

## HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads 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](#).

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[1] Comparing the HPE ProLiant DL325 Gen10 Plus 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.

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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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