



Hewlett Packard
Enterprise

HPE ProLiant DL325 Gen10 Plus 7302P 1P 32GB-R 8SFF 500W RPS Server (P18604-B21)

ProLiant DL Servers



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

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,

MT/s.

- Improved modularity and storage capabilities with ability to upgrade to 24 SFF/12 LFF drives in a 1U box.

enhanced storage, and PCIe Gen4 capabilities, the HPE ProLiant DL325 offers two-socket performance in a one-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 7302P 1P 32GB-R
8SFF 500W RPS Server**

Product Number (SKU)	P18604-B21
Processor Name	AMD EPYC™ 7302P (16 core, 2.8 Ghz, 128 MB, 155W)
Processor core available	16 core
Processor cache	128 MB
Processor speed	2.8 GHz
Power supply type	1 HPE 500W Flex Slot Power Supply
Expansion slots	3, for detail descriptions reference the QuickSpecs
Memory, standard	32 GB (2x 16 GB) RDIMMs
Memory type	HPE DDR4 SmartMemory
Included hard drives	None ship standard, 8 SFF supported
Optical drive type	Optional, none ship as standard
System fan features	7 standard fans
Network controller	HPE 1Gb Ethernet 4-Port BaseT I350-T4 OCP3 Adapter plus choice of OCP or stand up card
Storage controller	HPE Smart Array P408i-a SR Gen10 Controller
Minimum dimensions (H x W x D)	4.28 X 43.46 X 82.62 cm
Weight	17 kg
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.hp.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.hp.com/support .

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

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] 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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