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Digital data sheet

HPE ProLiant DL325 Gen10 7401P 1P 32GB-R P408i-a 8SFF 1x800W PS Performance Server (P04648-B21)

ProLiant DL Servers

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- 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

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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 world's most secure industry standard servers [1] product

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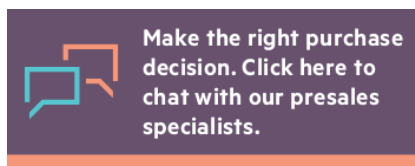
PSN1010879301USEN, July 04, 2018.

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 deliver software-defined storage (SDS) and high performance storage applications.
- Up to three available PCIe 3.0 slots and embedded NIC with FlexLOM for I/O expandability.

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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.

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, 12 Gb 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.

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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.

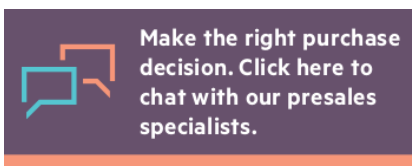
Services from HPE Pointnext simplifies the stages of your IT journey. Advisory and Transformation Services professionals understand customer challenges and design an ideal solution. Professional Services enables rapid deployment of solutions.

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.

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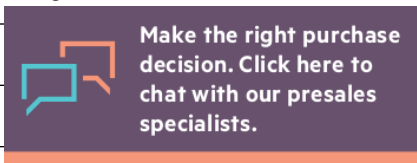
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HPE ProLiant DL325 Gen10 7401P 1P 32GB-R P408i-a 8SFF 1x800W PS Performance Server

Product Number (SKU)	P04648-B21
Processor	AMD EPYC™ 7401P (24 core, 2.0 Ghz, 64 MB, 155/170W)
Processor family	AMD EPYC™ 7000 Series
Processor core available	24 core
Processor cache	64.00 MB L3
Processor speed	2 GHz
Power supply type	1 HPE 800W Flexible Slot Power Supply
Expansion slots	2 PCIe 3.0, for detailed descriptions reference the QuickSpecs
Maximum memory	2.0 TB with 128 GB DDR4
Memory, standard	32 GB (2x 16 GB) RDIMM
Memory slots	16
Memory type	HPE DDR4 SmartMemory
Memory protection features	ECC
Included hard drives	None ship standard, 8 SFF drives supported
Optical drive type	Optional DVD-ROM
System fan features	5 Dual Rotor Hot Swappable fans
Network controller	HPE 1 Gb 331i Ethernet adapter 4-ports per controller
Storage controller	HPE Smart Array P408i-a controller
Dimensions	110.39 x 61.49 x 4.29 cm
Weight	18.31 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)

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System fan features
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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>.

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HPE Pointnext

HPE Pointnext

- **HPE 弹性容量服务**是一种全新的消费模式，兼具公有云的敏捷性和经济性以及内部部署 IT 的安全性和性能，能够有效管理随需容量。
- **HPE 数据中心运维保障服务**能够在核心交付内容的基础上，为您量身打造运维支持解决方案。这其中包括硬件和软件支持、可帮助您实现交付内容个性化并分享最佳实践的专家团队，以及用于满足特定 IT 与业务需求的可选构件。
- **HPE 主动式系统支持服务**是一套集成式硬件和软件支持服务，包括有助快速解决突发事件并保障 IT 稳定可靠的全程案例管理，可带来更出色的呼叫体验。
- **HPE 基础系统支持服务**能够在出现硬件或软件问题时提供有效协助，并能视 IT 及业务要求的不同，提供多种响应等级。

IT

IT IT

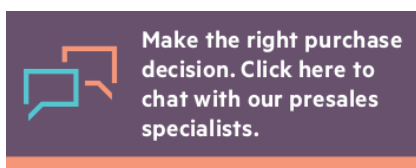
[1] Based on external firm conducting cyber security penetration testing of a range of server products from a range of manufactures, May 2017.

[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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