



HPE ProLiant DL385 Gen10 Server

ProLiant DL Servers



What's new

- We enhanced two popular SKUs to address our customers workload needs. P11747-B21, comes with the popular HPE Smart Array P408i-a SR Gen10 Controller providing storage performance our customers demand.
- Additionally, P11809-B21 comes with the HPE Flexible Slot 800W power supply. The new standard for most of our customer's; allowing for richer configurations while still

Overview

Do you need a platform purpose-built to address your High Performance Computing, virtualized, and memory-centric workloads? Try something EPYC™. Hewlett Packard Enterprise is extending the worlds' most secure industry standard servers [1] to include the HPE ProLiant DL385 Gen10 server, utilizing the AMD EPYC 7000 Series processors. This platform has been designed with the security you need and the flexibility you require to accommodate demanding enterprise workloads. With up to 64 cores, up to 32 DIMMs, or 4 TB memory capacity and support for up to 24 NVMe drives, the HPE ProLiant DL385 Gen10 server delivers a low cost virtual machine (VM) with

maintaining full redundancy.

- The AMD EPYC 7371 is a 16 core, 3.1 GHz CPU with max boost to 3.8 GHz! Perfect for electronic design automation, high-frequency-trading w/enterprise infrastructure, transcoding, web serving and more!
- The AMD EPYC 7261 has 8 core and is 2.5 GHz with all core boost to 2.9 GHz. It also has double the L3 cache over the AMD EPYC 7251. Perfect for your low core count, high-frequency requirements!
- HPE ProLiant DL385 Gen10 now has multiple vSAN ReadyNode configurations, to provide you with the most flexible server options to build your Hyper-Converged Infrastructure.
- HPE InfoSight provides a cloud-based analytics tool that predicts and prevents problems before your business is impacted.

unprecedented security.

Features

Security Innovations

HPE ProLiant DL385 Gen10 server has security protection built in across the server life cycle starting with silicon root of trust. Only Hewlett Packard Enterprise offers industry standard servers with major firmware anchored directly into the silicon.

Millions of lines of firmware code run before server operating system boots. What's more, with Runtime Firmware Validation, enabled by HPE iLO Advanced Premium Security Edition, the server 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 code.

The AMD EPYC processor provides several security related features, including AMD secure processor, secure memory encryption (SME), and secure encrypted virtualization (SEV). These features are used to help enable key security functionality including Secure Root of Trust, Secure Run, and Secure Move.

Flexible Design

HPE ProLiant DL385 Gen10 server has an adaptable chassis, including the modular drive bays that can be configured with up to 30 SFF, up to 19 LFF or up to 24 NVMe drive options along with support for up to 3 double wide GPU options.

HPE Smart Array S100i Software RAID ships standard for embedded m.2 boot, and the redesigned HPE Smart Array Essential and Performance RAID Controllers for performance or additional features including the ability to operate in both SAS and HBA mode.

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.

This server supports a wide range of operating systems making it suitable for most environments.

World-class Performance

HPE ProLiant DL385 Gen10 server supports industry standard technology leveraging the AMD EPYC 7000 Series Processor with up to 32 cores, 12 Gb SAS and 4.0 TB of HPE DDR4 SmartMemory.

Supports up to three double wide or five single wide graphic processing units (GPUs) for workload acceleration.

Proven Industry Leading Services and Ease of Deployment

HPE ProLiant DL385 Gen10 server comes with a complete set of HPE Pointnext services, delivering confidence, reducing risk, and helping customers realize agility and stability.

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

and Operational Services provides ongoing support.

Services provided under Operational Services include: HPE Flexible Capacity, HPE Datacenter Care, HPE Infrastructure Automation, HPE Campus Care, HPE Proactive Services and multi-vendor coverage.

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 DL385 Gen10 Server

Processor family	AMD EPYC™ 7000 Series
Processor core available	32 or 24 or 16 or 8, per processor, depending on model
Processor cache	32.00 MB L3 64.00 MB L3
Processor speed	3.2 GHz, maximum depending on processor
Power supply type	2 Flexible Slot power supplies, maximum depending on model
Expansion slots	8 maximum, for detailed descriptions reference the QuickSpecs
Maximum memory	4.0 TB with 128 GB DDR4 [2]
Memory, standard	4 TB with 32 x 128 GB 2666MT/S RDIMMs
Memory slots	32
Memory type	HPE DDR4 SmartMemory
Memory protection features	ECC
System fan features	Hot-plug redundant fans, standard
Network controller	HPE 1 Gb 331i Ethernet adapter 4-ports per controller and/or optional FlexibleLOM, depending on model
Storage controller	1 HPE Smart Array S100i and/or 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)	9.73 x 44.54 x 73.02 cm
Weight	14.9 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.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 .

**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 personalize 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 manufacturers, May 2017.

[2] The stated leadership results are published as of 7-03-2018 to SPEC; see spec.org/power_ssj2008/results/res2018q2/power_ssj2008-20180410-00808.html

