Hewlett Packard Enterprise

HPE ProLiant DL385 Gen10 Plus 7262 1P 16GB-R 8SFF 500W PS Server (P07595-B21)

ProLiant DL Servers

What's new

- Powered by the 2nd generation AMD® EPYC™ 7000 Series processor with double [2] the core density compared to the previous generation.
- Higher bandwidth and improved data transfer rates with PCIe Gen4 capabilities.
- Faster application performance with increased memory speeds up to 3200 MT/s.

Overview

Do you need a dense platform with built-in security and flexibility that addresses key applications such as virtualization, software-defined storage (SDS), and High-Performance Compute (HPC)?

Building on HPE ProLiant as the intelligent foundation for hybrid cloud, the HPE ProLiant DL385 Gen10 Plus server offers the 2nd generation AMD® EPYC™ 7000 Series processor delivering up to 2X [1] the performance of the prior generation. With up to 128 cores (per 2-socket configuration),

- HPE InfoSight provides a cloud-based analytics tool that predicts and prevents problems before your business is impacted.

32 DIMMs for memory up to 3200 MHz, the HPE ProLiant DL385 Gen10 Plus server delivers low cost virtual machines (VMs) with unprecedented security. Equipped with PCIe Gen4 capabilities, HPE ProLiant DL385 Gen10 Plus offers improved data transfer rates and higher networking speeds. Combined with a better balance of processor cores, memory and I/O makes the HPE ProLiant DL385 Gen10 Plus the ideal choice for virtualization, and memory-intensive and HPC workloads.

Features

Flexible Design

The HPE ProLiant DL385 Gen10 Plus server has an adaptable chassis, including the modular drive bays that can be configured with up to 28 SFF, up to 20 LFF, or up to 16 NVMe drive options

The redesigned HPE Smart Array Essential and Performance RAID Controllers offer performance and flexibility for additional features including the ability to operate in both SAS and HBA mode.

Choice of OCP 3.0 or PCIe standup adapters which offers a choice of networking bandwidth and fabric, making it scalable for changing business needs.

The HPE ProLiant DL385 Gen10 Plus supports a wide range of operating systems, making it suitable for most environments.

Automation

The HPE ProLiant DL385 Gen10 Plus server features HPE iLO 5 which 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 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

The HPE ProLiant DL385 Gen10 Plus server is built with Silicon Root of Trust as an immutable fingerprint in the iLO silicon. The silicon root of trust validates the lowest level firmware to BIOS and software to verify 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.

Automation

The HPE ProLiant DL385 Gen10 Plus server supports HPE Right Mix Advisor to provide data-driven guidance and drive 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 over provisioning.

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 DL385 Gen10 Plus 7262 1P 16GB-R 8SFF 500W PS Server

Product Number (SKU)	P07595-B21
Processor Name	AMD EPYC™ 7262 (8 core, 3.2 Ghz, 128 MB, 155W)
Processor core available	8 core
Processor cache	128 MB
Processor speed	3.2 GHz
Power supply type	1x 500W HPE FlexSlot Power Supply
Expansion slots	8 maximum, for detailed descriptions reference the QuickSpecs
Memory, standard	16 GB (1x 16 GB) RDIMMs
Memory type	HPE DDR4 SmartMemory
Included hard drives	None ship standard, 8 SFF supported
Optical drive type	Optional, None ship standard
System fan features	4 standard fans
Network controller	HPE 1GbE 4-port OCP3 Adapter plus choice of OCP or standup card
Storage controller	HPE Smart Array E208i-a SR Gen10 Controller
Minimum dimensions (H x W x D)	8.73 x 44.54 x 71.1 cm
Weight	19.7 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.

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.
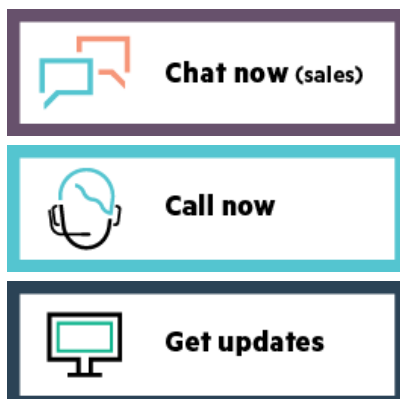
Operational Services

- **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 DL385 Gen10 Plus with AMD EPYC™ 7702 processor versus the AMD EPYC™ 7601P processor, and based on SPECrate2017_int_base 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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