HPE ProLiant DL385 Gen10 Plus server



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

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), 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.

Optimization

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 server

Processor type	AMD
Processor name	AMD EPYC™ 7000 Series
Processor family	2nd Generation AMD EPYC™ 7000 Series
Processor number	Up to 2
Processor core available	64 or 48 or 32 or 24 or 16 or 8, per processor, depending on model
Processor cache	256 MB or 192 MB or 128 MB L3, per processor , depending on model
Processor speed	3.4 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 RDIMMs
Memory slots	32
Memory type	HPE DDR4 SmartMemory
Memory protection features	ECC
System fan features	Hot-plug redundant fans, standard
Network controller	Choice of optional OCP plus standup, depending on model
Storage controller	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) etc, for more details reference QuickSpecs
Product dimensions	8.73 x 44.54 x 74.9 cm
Weight	15.1 kg
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.
Drive supported	8 or 12 LFF SAS/SATA/SSD with 4 LFF rear drive optional and and 2 SFF rear drive optional 8 or 24 SFF SAS/SATA/SSD with 4 SFF rear drive optional , 16 SFF NVMe Front bay

[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.



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

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading 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, 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.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Find a partner

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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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Image may differ from the actual product

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