HPE ProLiant DL385 Gen10 Plus v2 server



What's new

- Powered by the 3rd Generation AMD EPYC™ processors with more compute performance compared to the previous generation.
- Enhanced storage management with Tri-mode storage controllers supporting NVMe/SAS/SATA drives.
- Supports 3rd Generation AMD EPYC™ processors with 3D V-cache, providing 768 MB of L3 cache per processor.

Overview

Do you need a versatile server with built-in security and flexibility that addresses key applications such as Machine Learning or Deep Learning and Big Data Analytics?

Building on HPE ProLiant as the intelligent foundation for hybrid cloud, the HPE ProLiant DL385 Gen10 Plus v2 server offers the 3rd Generation AMD EPYC™ Processors, delivering more performance compared to 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 v2 server delivers low cost virtual machines (VMs) with increased security. Equipped with PCIe Gen4 capabilities, the HPE ProLiant DL385 Gen10 Plus v2 server offers improved data transfer rates and higher networking speeds. Combined

with supportability for graphic accelerators, a more advanced storage RAID solution and storage density, the HPE ProLiant DL385 Gen10 Plus v2 server is the ideal choice for ML/DL and Big Data Analytics.

Features

Workload Optimization

The HPE ProLiant DL385 Gen10 Plus v2 server supports up to 8 single wide or 3 double wide (active/passive) GPUs to accelerate graphic intense workloads.

Harness major compute power and support up to two of the 3rd Generation AMD EPYC™ processors with up to 64-core 280W.

Tri-mode storage controllers enhance storage management coupled with an advanced storage RAID solution and storage density.

It provides real-time operational feedback on server performance plus recommendations for fine-tuning BIOS settings to customize for changing business needs.

360 Degree Security

The HPE ProLiant DL385 Gen10 Plus v2 server is tied into the silicon root of trust and the AMD Secure Processor, a dedicated security processor embedded in the AMD EPYC system on a chip (SoC) to manage secure boot, memory encryption, and secure virtualization.

HPE ProLiant security begins with the corruption-free manufacture of the server and auditing the integrity of every component – hardware and firmware – to provide verification that the server begins its lifecycle through an uncompromised supply chain.

HPE ProLiant servers provide rapid detection of a security-compromised server, even to the point of not allowing it to boot, identifies and contains malicious code, and protects healthy servers.

HPE ProLiant servers provide automated recovery from a security event, including restoration of validated firmware, and facilitating recovery of operating system, application and data connections, providing the fastest path to bring a server back online and into normal operations.

When it's time to retire or repurpose an HPE ProLiant server, one-button secure erase speeds and simplifies the complete removal of passwords, configuration settings and data, preventing inadvertent access to previously secured information.

Intelligent Automation

The HPE ProLiant DL385 Gen10 Plus v2 server simplifies and automates management tasks, establishing a solid foundation for an open, hybrid cloud platform enabled by composability.

Embedded in HPE servers, HPE Integrated Lights-Out (iLO) is an exclusive core intelligence that monitors server status, providing the means for reporting, ongoing management, service alerting, and local or remote management to quickly identify and resolve issues.

Automation and software-defined control reduces time spent on provisioning and maintenance, and reduces deployment time.

Delivered as-a Service

The HPE ProLiant DL385 Gen10 Plus v2 server is supported by HPE GreenLake to simplify IT infrastructure management across your entire hybrid estate. With 24x7 monitoring and management, our experts do the heavy lifting to manage your environment with services built into consumption-based solutions.



Rapidly deploy a broad portfolio of cloud services such as machine learning operations (ML Ops), containers, storage, compute, virtual machines (VMs), data protection, and more. Workload-optimized, preconfigured solutions can be delivered to your facility quickly, decreasing your downtime.

Hewlett Packard Enterprise provides customers choice in how they acquire and consume IT beyond traditional financing and leasing, offering options that free trapped capital, accelerate infrastructure updates, and provide for on-premises pay-per-use consumption with HPE GreenLake.

Technical specifications — HPE ProLiant DL385 Gen10 Plus v2 server

Processor type	AMD
Processor name	3rd Generation AMD EPYC™ Processors
Processor family	3rd Generation AMD EPYC™ Processors
Processor number	Up to 2
Processor core available	Up to 64, depending on processor
Processor cache	128 MB, 256 MB or 768 MB L3 cache, depending on processor model
Processor speed	3.7 GHz maximum, depending on processor
Power supply type	2 Flexible Slot power supplies maximum, depending on model
Expansion slots	8 maximum, for detailed descriptions refer to the QuickSpecs
Maximum memory	8.0 TB with 256 GB DDR4
Memory, standard	8 TB with 32 x 256 GB RDIMMs
Memory slots	32
Memory type	HPE DDR4 SmartMemory
Memory protection features	ECC
Network controller	Choice of optional OCP plus standup, depending on model
Storage controller	HPE Smart Array SAS/SATA Controllers or Tri-Mode Controllers, refer to the QuickSpecs for more detail
Product dimensions	8.73 x 44.54 x 74.9 cm
Weight	15.1 kg minimum
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, and 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 with 4 LFF mid drive optional, 4 LFF rear drive 8 or 24 SFF SAS/SATA with 8 SFF mid drive optional and 4 SFF rear drive optional,16 SFF NVMe Front bay with 8 SFF mid drive optional

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.

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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.

AMD EPYC™ is a trademark of Advanced Micro Devices, Inc. All third-party marks are property of their respective owners.

Image may differ from the actual product

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