



Hewlett Packard
Enterprise

HPE PROLIANT DL385 GEN10 PLUS V2 7513 2.6GHZ 32-CORE 1P 32GB- R 8SFF 800W PS SERVER (P39123-B21)

ProLiant DL300 Servers



WHAT'S NEW

- Powered by the 3rd Generation AMD EPYC™ 7000 Series processor with more compute

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?

performance compared to the previous generation.

- Enhanced storage management with Tri-mode storage controllers supporting NVMe/SAS/SATA drives.

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™ 7000 Series Processor, 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™ 7000 Series 64-core 280W processors.

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 7513 2.6GHz 32-core 1P 32GB-R 8SFF 800W PS Server

Product Number (SKU)	P39123-B21
Processor Name	AMD EPYC™ 7513 (32 core, 2.6 Ghz, 128 MB, 200W)
Processor core available	32 core
Processor cache	128 MB L3
Processor speed	2.6 GHz
Power supply type	1x 800W HPE FlexSlot Power Supply
Expansion slots	8 maximum, for detailed descriptions refer to the QuickSpecs
Memory, standard	32 GB (1x 32 GB) RDIMMs
Memory type	HPE DDR4 Smart Memory
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 10GbE 2-port OCP3 Adapter plus choice of OCP or standup card
Storage controller	HPE Smart Array P408i-a SR Gen10 Controller
Product Dimensions (metric)	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, 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	None ship standard, 8 SFF supported



Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, [HPE Pointnext Services'](#) 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. [Operational Services](#) help you remove complexity and respond rapidly to business demands.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

- **[HPE Datacenter Care](#)** helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- **[HPE Proactive Care](#)** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- **[HPE Foundation Care](#)** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more.](#)

Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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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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