



HPE PROLIANT DL345 GEN10 PLUS SERVER

ProLiant DL300 Servers



WHAT'S NEW

- Provide versatility and upgradeability for storage with one processor in a 2U rack enclosure.
- 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.

OVERVIEW

Do you need a single socket server with a 2U rack storage capacity to address your data intensive workloads?

Building on HPE ProLiant as the intelligent foundation for hybrid cloud, the HPE ProLiant DL345 Gen10 Plus server offers the 3rd Generation AMD EPYC™ Processors, delivering excellent performance on a single socket design. Equipped with PCIe Gen4 capabilities, HPE ProLiant DL345 Gen10 Plus server offers improved data transfer rates and higher networking speeds. Enclosed in a 2U server chassis, this one-socket server improves storage capacity across SAS/SATA/NVMe storage options, making it an ideal solution for key applications such as structured/unstructured database management.

FEATURES

Workload Optimization

Harness major compute power: The HPE ProLiant DL345 Gen10 Plus server supports the 3rd Generation AMD EPYC™ processors with up to 64-core 280W.

It provides up to 128 lanes of PCIe Gen4 improves I/O throughput and reduces latency.

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

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 DL345 Gen10 Plus 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 protect 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 Hewlett Packard Enterprise 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 DL345 Gen10 Plus 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 DL345 Gen10 Plus server supported by HPE GreenLake simplifies 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 on-premises pay-per-use consumption with HPE GreenLake.



Technical specifications

HPE ProLiant DL345 Gen10 Plus server

Processor Name	3rd Generation AMD EPYC™ Processors
Processor family	3rd Generation AMD EPYC™ Processors
Processor core available	Up to 64, depending on processor
Processor cache	Up to 256 MB L3 cache, depending on processor model
Processor speed	4.0 GHz maximum, depending on processor
Power supply type	2 Flexible Slot power supplies maximum, depending on model
Expansion slots	4 maximum, for detailed descriptions refer to the QuickSpecs
Maximum memory	2.0 TB with 128 GB DDR4
Memory, standard	2 TB with 16 x 128 GB RDIMMs
Memory slots	16
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 QuickSpecs for more details
Product Dimensions (metric)	8.75 x 44.54 x 71.1 cm
Weight	16.33 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, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: http://h20564.www2.hp.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.hp.com/support .
Drive supported	8 or 12 LFF SAS/SATA with 2 SFF rear drive optional 8 or 24 SFF SAS/SATA with 2 SFF rear drive optional, 24 SFF NVMe Front bay with 2 SFF rear drive optional



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

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

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 Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[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.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

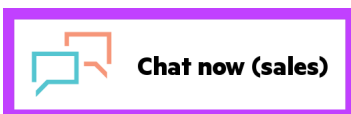
HPE GREENLAKE

[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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[PSN1013291286WWEN](#), August, 2022.