Hewlett Packard Enterprise

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

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.

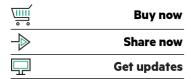## Technical specifications — HPE ProLiant DL345 Gen10 Plus server

Processor Name	AMD EPYC™ 7000 Series Processors
Processor family	3rd Generation AMD EPYC™ 7000 Series Processor
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.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 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

HPE POINTNEXT

Access expertise at every step of your IT journey with HPE Pointnext Services. Advisory Services focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our Professional and Operational Services help speed up time-to-production and keep your IT stable and reliable.

Operational Services from HPE Pointnext Services

- **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.

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.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Make the right purchase decision.
Contact our presales specialists.

Find a partner

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