HPE ProLiant DL380 Gen10 Plus server



What's new

- Supports 3rd Generation Intel® Xeon® Scalable Processors.
- Support for PCIe Gen4, resulting in improved bandwidth and throughput.
- Support for industry-standard OCP 3.0 Network Adapters.
- Support for Trimodal (NVMe/SAS/SATA) HPE Smart Array controllers.

Overview

Do your servers need increased performance in storage, compute, or expansion?

The HPE ProLiant DL380 Gen10 Plus server is adaptable for diverse workloads and environments, providing you with the right balance of expandability and scalability. Designed for supreme versatility and resiliency, this 2U/2P platform is capable for deployment in multiple environments, built on 3rd Generation Intel® Xeon® Scalable Processors, and backed by a comprehensive warranty. Equipped with PCIe Gen4 capabilities, the HPE ProLiant DL380 Gen10 Plus server offers improved data transfer rates and higher networking speeds.

Features

Built for Some of the Most Demanding Workloads

The HPE ProLiant DL380 Gen10 Plus server is built with foundational intelligence to transform IT with insights that enhance workload performance, placement, and efficiency, delivering better outcomes faster.

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

360-degree Holistic Security

The HPE ProLiant DL380 Gen10 Plus server provides an enhanced, holistic, 360-degree view to security that begins in the manufacturing supply chain and concludes with a safeguarded, end-of-life decommissioning.

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 uncompromised through the supply chain.

HPE ProLiant servers provide rapid detection of a security-compromised server, even to the point of not allowing it to boot, verify containment of 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 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 Management Automation

The HPE ProLiant DL380 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, as well as reduces deployment times from weeks to mere days.

HPE InfoSight for servers continually analyzes server infrastructure and applies real-world examples of hundreds of thousands of servers to predict and prevent problems before they can adversely affect business operations.

Available in an As-a-Service Experience

The HPE ProLiant DL380 Gen10 Plus 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.

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 DL380 Gen10 Plus server

Processor type	Intel®
Processor name	3rd Generation Intel® Xeon® Scalable Processors
Processor family	3rd Generation Intel® Xeon® Scalable Processors
Processor number	1 or 2
Processor core available	16 to 40 core, depending on processor
Processor speed	3.1 GHz maximum, depending on processor
Power supply type	Dual hot-plug redundant 1+1 HPE Flexible Slot Power Supplies (2.6")
Expansion slots	8, for detailed descriptions refer to the QuickSpecs
Maximum memory	8.1 TB - RDIMM (4 TB per processor), 11.2 TB - LRDIMM and Intel® Optane™ (5.6 TB per processor with 8x LRDIMM and 8x 512 GB Intel Optane)
Memory, standard	16 GB (1 x 16 GB) RDIMM
Memory slots	32
Persistent memory type	Intel® Optane™ Persistent Memory for HPE
Persistent memory media capacity	128 GB - 512 GB
Memory type	HPE DDR4 SmartMemory
Memory protection features	RAS – Advanced ECC, online spare, mirroring, combined channel (lockstep) functionality, and HPE Fast Fault Tolerant Memory (ADDDC) Intel Optane Persistent Memory
Included hard drives	None ship standard, SFF and LFF drives supported
Optical drive type	Optional DVD-ROM Optional via Universal Media Bay External support only
System fan features	Hot-plug redundant fans, standard
Network controller	Intel I350 1GbE 4 port Base-T OCP3 adapter or Broadcom 57416 10GbE 2 port Base-T adapter and/or optional network adapters depending on model
Storage controller	HPE SR932i-p and/or HPE SR416i-a and/or HPE MR216i-a and/or HPE MR416i-a and/or HPE MR216i-p and/or HPE MR416i-p and/or HPE Smart Array P816i-a SR and/or HPE Smart Array E208i-a SR and/or HPE Smart Array P408i-a SR and/or HPE Smart Array E208i-p SR and/or HPE Smart Array E208e-p SR and/or HPE Smart Array P408e-p SR and/or HPE Smart Array P408i-p SR
Infrastructure management	HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, and HPE OneView Advanced (optional, requires licenses)
Warranty	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of onsite 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, to supplement the product warranty, is available. For more information, visit http://www.hpe.com/support
Drive supported	8 or 12 LFF SAS/SATA/SSD 8, 10, 16, 18 or 24 SFF SAS/SATA/SSD, 2 M.2 SATA SSD standard on primary riser, depending on configuration, 8 SFF mid-tray optional, 6 SFF rear drive optional or 4 LFF mid tray optional, 3 LFF rear-drive optional and 2 SFF or 2 Dual UFF rear-drive optional, 20 SFF NVMe optional, NVMe support via Express Bay will limit maximum drive capacity, depending on model

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.

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