

# HPE ProLiant DL380 Gen10 Plus 4310 2.1GHz 12-core 1P 32GB-R MR416i-p NC 8SFF 800W PS Server (P55246-B21)



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## 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 4310 2.1GHz 12-core 1P 32GB-R MR416i-p NC 8SFF 800W PS Server

<b>Product Number</b>	P55246-B21
<b>Processor name</b>	Intel® Xeon® Silver 4310 (12 core, 2.1 GHz, 18 MB L3, 120W)
<b>Processor number</b>	1 processor included
<b>Processor core available</b>	12 core
<b>Processor cache</b>	18 MB L3
<b>Processor speed</b>	2.1 GHz
<b>Power supply type</b>	1x HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
<b>Expansion slots</b>	8, for detailed descriptions refer to the QuickSpecs
<b>Memory, standard</b>	32 GB (1 x 32 GB) RDIMM
<b>Persistent memory type</b>	Intel® Optane™ Persistent Memory for HPE
<b>Persistent memory media capacity</b>	128 GB - 512 GB
<b>Memory type</b>	HPE DDR4 Smart Memory
<b>Included hard drives</b>	None ship standard, 8 SFF supported
<b>Optical drive type</b>	Optional DVD-ROM Optional via Universal Media Bay External support only
<b>System fan features</b>	6x Maximum Performance Fans
<b>Network controller</b>	Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE
<b>Storage controller</b>	HPE MR416i-p Gen10 Plus x16 Lanes 4GB Cache NVMe/SAS 12G Controller
<b>Product dimensions</b>	8.75 x 44.54 x 71. cm
<b>DIMM capacity</b>	32 GB RDIMM
<b>Weight</b>	28.77 kg maximum
<b>Infrastructure management</b>	HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, and HPE OneView Advanced (optional, requires licenses)
<b>Warranty</b>	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: <a href="http://h20564.www2.hp.com/hpsc/wc/public/home">http://h20564.www2.hp.com/hpsc/wc/public/home</a> . Additional HPE support and service coverage, to supplement the product warranty, is available. For more information, visit <a href="http://www.hp.com/support">http://www.hp.com/support</a>



[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.

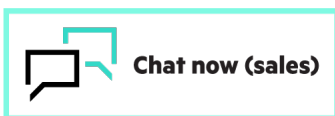
## HPE GreenLake

[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](#).

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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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