

HPE ProLiant DL380a Gen11



What's new

- Powered by the 4th Generation Intel® Xeon® Scalable Processors with next-generation technology that support up to 56 cores at 350W and 24 DIMMs for DDR5 memory at speeds up to 4800 MHz.
- Support for 4 double wide GPUs in a 2U server for intensive compute acceleration.
- Well-balanced I/O performance and capabilities across processors.
- Advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 4 x16 PCIe Gen5 and 2 OCP slots.
- Includes the new HPE Integrated Lights-Out 6 (iLO 6) server management software that enables you to securely configure, monitor, and update your HPE ProLiant Gen11 servers seamlessly, from anywhere.

Overview

Are you looking for a server with advanced scalability for GPUs, industry-leading security innovation and simplified control that can enhance the performance of your graphic-intensive applications? Are you looking for a server that can accelerate enterprise workloads like AI, IVA, and VDI?

Introducing the HPE ProLiant DL380a Gen11 server with 4th Generation Intel® Xeon® Scalable Processors. Supporting up to 4 double-wide GPUs in a dense 2U 2P form factor, this server offers breakthrough performance with more cores, faster DDR5 memory, and high speed PCIe Gen5 I/O bandwidth while empowering your business to innovate with advanced GPU accelerators on a ultra-scalable architecture. Customized from a price/performance perspective, the HPE ProLiant DL380a Gen11 powers next generation workloads from the edge to the cloud with a cloud operating experience and built-in security to drive your business forward.

www.pmdatasolutions.com

- Support for up to 3 TB total DDR5 memory with 12 DIMM channels per processor delivers increased performance and lower power requirements.

Features

Intuitive Cloud Operating Experience: Simple, Self-service, and Automated

HPE ProLiant DL380a Gen11 servers are engineered for your hybrid world. HPE ProLiant DL380a Gen11 servers simplify the way you control your business's compute—from edge to cloud—with a cloud operating experience.

Transform business operations and pivot your team from reactive to proactive with global visibility and insight through a self-service console.

Automate tasks for efficiency in deployment, instant scalability, and seamless, simplified support and lifecycle management, reducing tasks and shortening maintenance windows.

These experiences are engineered and built into all HPE ProLiant Gen11 servers, whether purchased as physical servers or consume as-a-service using HPE GreenLake as your compute and storage demands grow.

Simplify and secure server management from edge to cloud with HPE GreenLake for Compute Ops Management. HPE GreenLake for Compute Ops Management is an as-a-service compute management experience that delivers greater simplicity, agility, and speed across your entire compute landscape, globally.

Trusted Security by Design: Uncompromising, Fundamental, and Protected

The HPE ProLiant DL380a Gen11 server utilizes the HPE Silicon Root of Trust, HPE's fundamental approach to security that provides zero-trust architecture at the silicon level and ensures all server essential firmware is free from malware or compromised code.

This server, powered by 4th Gen Intel® Xeon® Scalable Processors, adds hardware- and software-assisted security features, including Intel® Software Guard Extensions and Intel® Boot Guard, which help secure the server hardware foundation on which critical apps run and better protect data in memory.

HPE ProLiant Gen11 servers continuously protect healthy servers by providing rapid detection of security-compromised servers, even to the point of not allowing them to boot if it identifies and contains malicious code, and secure servers at the edge with IDevID certificates installed by default.

HPE ProLiant Gen11 servers provide automated recovery from a security event, including restoration of validated firmware, and facilitating recovery of the operating system, application, and data connections, providing the fastest path to bring a server back online and into normal operations.

From silicon to software, from factory to cloud, and from generation to generation, HPE ProLiant Gen11 is engineered with a fundamental security approach to defend against increasingly complex threats through an uncompromising commitment to constant security advancements that are built into our DNA.

Customized Performance for your Workloads: Accelerated, Open, and Efficient

The HPE ProLiant DL380a Gen11 server is an excellent choice for AI, compute and graphics-intensive workloads requiring maximum core count, GPU capabilities, and network and I/O bandwidth.

Harness major computer performance with the HPE ProLiant DL380a Gen11 server which is powered by the 4th Generation Intel® Xeon® Scalable Processors with next-generation technology that supports up to 56 cores per processor, 350W, and up to 3 TB of memory.

The HPE ProLiant DL380a Gen11 server provides advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 4 x16 PCIe Gen5 and 2 OCP slots to improve I/O throughput and reduce latency.

It provides 12 DIMM channels per processor for up to 3 TB total DDR5 memory with increased memory bandwidth and performance, and lower power requirements.



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

Technical specifications

HPE ProLiant DL380a Gen11

Processor family	4th Generation Intel® Xeon® Scalable Processors
Processor core available	8 to 56 core, depending on processor
Processor speed	3.7 GHz maximum, depending on processor
Power supply type	Dual hot-plug redundant 1+1 or four hot-plug redundant 2+2 HPE Flexible Slot Power Supplies, depending on model
Expansion slots	4, for detailed descriptions refer to the QuickSpecs
Maximum memory	3.0 TB - RDIMM (1.5 TB per processor)
Memory slots	24 DIMM slots
Memory type	HPE DDR5 SmartMemory
Memory protection features	RAS – Advanced ECC, online spare, mirroring, combined channel (lockstep) functionality, and HPE Fast Fault Tolerant Memory (ADDDC)
Optical drive type	Optional DVD-RW via external support only
System fan features	6 dual-rotor hot-plug redundant fans included
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 or HPE SR416i-o or HPE MR416i-o or HPE MR416i-p
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 SFF NVMe SSD, depending on model

www.pmdatasolutions.com



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.

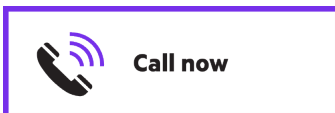
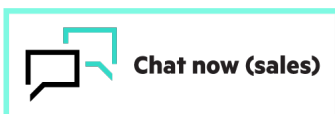
HPE GreenLake

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.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

Make the right purchase decision.
Contact our presales specialists.

[Chat online](#)



Explore **HPE GreenLake**



www.pmddatasolutions.com



**Hewlett Packard
Enterprise**

© Copyright 2023 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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.

Intel, Intel Xeon, and Intel Optane are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. All third-party marks are property of their respective owners.

Image may differ from the actual product
[PSN1014696168UKEN](#), April, 2023.