HPE ProLiant DL380a Gen11



What's new

- Powered by 4th and 5th Gen Intel® Xeon® Scalable Processors with next-generation technology that support up to 64 cores at 350W and 24 DIMMs for DDR5 memory at speeds up to 5600 MHz.
- Support for 4 double-wide or 8 single-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.
- Support for up to 3 TB total DDR5 memory with 12 DIMM channels per processor delivers increased performance and lower power requirements.

Overview

Are you looking for a server with advanced scalability for GPUs that can enhance the performance of your AI inferencing workloads?

The HPE ProLiant DL380a Gen11 server is a rack-optimized, 2U 2P solution that delivers breakthrough performance with advanced GPU accelerators on a ultra-scalable architecture.

Powered by 4th and 5th Gen Intel® Xeon® Scalable Processors with up to 56 cores and four double-wide GPUs as well as increased memory bandwidth and high-speed PCIe Gen5 I/O, the HPE ProLiant DL380a Gen11 server is a perfect solution for entry to -level AI workloads.

The HPE ProLiant DL380a Gen11 server is engineered to optimize IT with a cloud operating experience, built-in security, and optimized performance for workloads to drive your business forward.

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 consumed as-a-service using GreenLake Flex Solutions as your compute and storage demands grow.

Simplify and secure server management from edge to cloud with HPE Compute Ops Management. HPE 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.

The server, powered by 4th and 5th Gen Intel® Xeon® Scalable Processors, adds hardware and software-assisted security features, including Intel® Software Guard Extensions and Intel® Boot Guard, which 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-intense 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 4th and 5th Gen Intel® Xeon® Scalable Processors with next-generation technology that supports up to 64 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 type	Intel®
Processor family	5th Gen Intel® Xeon® Scalable Processors and 4th Gen Intel® Xeon® Scalable Processors
Processor number	2
Processor core available	8 to 64 core, depending on processor
Processor speed	3.9 GHz maximum, depending on processor
Memory type	HPE DDR5 SmartMemory
Maximum memory	3.0 TB - RDIMM (1.5 TB per processor)
Memory slots	24 DIMM slots
Memory protection features	RAS – Advanced ECC, online spare, mirroring, combined channel (lockstep) functionality, and HPE Fast Fault Tolerant Memory (ADDDC)
System fan features	6 dual-rotor hot-plug redundant fans included
Expansion slots	4, for detailed descriptions refer to the QuickSpecs
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
Drive supported	8 SFF NVMe or 8 EDSFF SSDs
Optical drive type	Optional DVD-RW via external support only
Power supply type	Dual hot-plug redundant 1+1 or four hot-plug redundant 2+2 HPE Flexible Slot Power Supplies, depending on model
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)
Security	Optional locking Bezel Kit, Intrusion Detection Kit, and embedded HPE TPM 2.0
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: https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us. Additional HPE support and service coverage, to supplement the product warranty, is available. For more information, visit https://www.hpe.com/support.

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.

Advisory & Professional 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.

Support 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.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

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

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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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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