HPE ProLiant DL380 Gen11

ProLiant DL300 Servers

What's new

- Powered by the 4th Generation Intel® Xeon® Scalable Processors with next-generation technology that support up to 60 cores at 350W and 16 DIMMs for DDR5 memory at speeds up to 4800 MHz.
- Support for up to 8 TB total DDR5 memory with 16 DIMM channels per processor delivers increased performance, lower

Overview

Are you looking for a dual-socket scalable server solution to power your data-intense, large-capacity workloads?

The HPE ProLiant DL380 Gen11 server is a scalable 2U 2P solution that delivers exceptional compute performance expandability, and scalability for diverse workloads and environments at 1P economics. Powered by 4th Gen Intel® Xeon® Scalable Processors with up to 60 cores, increased memory bandwidth, and high-speed PCIe Gen5 I/O, the HPE

power requirements, and High Bandwidth Memory (HBM) support.

- Support for PCIe Gen5, resulting in improved bandwidth, advanced data transfer rates, and higher network speeds from the PCIe Gen5 serial expansion bus.
- 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.
- Supports hot-pluggable, high-availability RAID M.2 boot options.
- Supports up to 8 single wide (SW) or 3 double wide (DW) GPUs to accelerate graphic intense workloads.

ProLiant DL380 Gen11 server is a perfect dual-socket, 2U/2P, scalable solution.

The silicon root of trust anchors the server firmware to an HPE-exclusive ASIC, creating a fingerprint for the Intel® Xeon® Scalable Processor that must be matched exactly before the server will boot.

The HPE ProLiant DL380 Gen11 server is an excellent choice for data-intensive workloads like software-defined storage, video transcoding, and virtualized apps that require large storage capacity, and high I/O and memory bandwidth.

Features

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

HPE ProLiant DL380 Gen11 servers are engineered for your hybrid world. HPE ProLiant DL380 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 DL380 Gen11 server is tied into the silicon root of trust and the Intel® Xeon® Scalable Processor, a dedicated security processor embedded in the Intel Xeon system on a chip (SoC), to manage secure boot, memory encryption, and secure virtualization.

HPE ProLiant Gen11 servers use the silicon root of trust to anchor the firmware of an HPE ASIC, creating an immutable fingerprint for the Intel® Xeon® processor that must be matched exactly before the server will boot. This ensures malicious code is contained and healthy servers are protected.

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 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.

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.

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

The HPE ProLiant DL380 Gen11 server is an excellent choice for compute and data storage demanding workloads (AI, ML, telco, DB analytics, VDI, containers) requiring maximum core count, GPU capabilities, and network and I/O bandwidth.

Harness major computer performance. The HPE ProLiant DL380 Gen11 server is powered by the 4th Generation Intel® Xeon® Scalable Processors with next-generation technology that supports up to 60 cores per processor, 350W, and up to 8 TB of memory.

The HPE ProLiant DL380 Gen11 serverprovides advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 2 x16 PCIe Gen5 and 2 OCP slots to improve I/O throughput and reduce latency.

It provides 16 DIMM channels per processor for up to 8 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.

Available in an As-a-Service Experience

The HPE ProLiant DL380 Gen11 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 with choices 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 Gen11

Processor family	4th Generation Intel® Xeon® Scalable Processors
Processor core available	16 to 60 core, depending on processor.
Processor cache	22.5 MB to 112.5 MB L3, depending on processor.
Processor speed	3.1 GHz maximum, depending on processor.
Power supply type	800W, 1000W, or 1600W Dual hot-plug redundant 1+1 HPE Flexible Slot Power Supplies, depending on model.
Expansion slots	Up to 8 PCIe Gen5, and 2 OCP 3.0, for detailed descriptions reference the QuickSpecs.
Maximum memory	8 TB with 256 GB DDR5
Memory slots	32
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) Intel Optane Persistent Memory
Optical drive type	Optional DVD-ROM Optional via Universal Media Bay External support only.
System fan features	Hot-plug redundant fans, Standard Fan Kit or High Performance Fan Kit, depending on model.
Network controller	1 Gb, 10 Gb, 10/25 Gb, 100 Gb, or 200 Gb, in PCIe adapter or OCP 3.0 form factor, for detailed descriptions reference the QuickSpecs.
Storage controller	HPE SR932i-p and/or HPE MR216i-o and/or HPE MR416i-o and/or HPE MR216i-p and/or HPE MR416i-p and/or HPE MR408i-o, for detailed descriptions reference the QuickSpecs.
DIMM capacity	16 GB to 256 GB
Infrastructure management	HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE GreenLake COM.
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://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 https://www.hpe.com/support.
Drive supported	8 or 12 LFF SAS/SATA/SSD 8, 16, or 24 SFF SAS/SATA/SSD, depending on configuration. 6 SFF rear drive optional or or 2 SFF rear-drive optional, 20 SFF NVMe optional, NVMe support via Express Bay will limit maximum drive capacity, depending on model.

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.

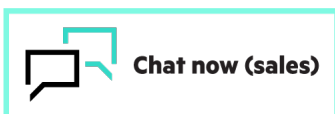# HPE GreenLake

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.

Explore **HPE GreenLake**

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Contact our presales specialists.**

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