

HPE ProLiant DL360 Gen11



What's new

- Powered by 4th Gen Intel® Xeon® Scalable processors with next-generation technology that supports up to 60 cores at 350W, and 16 DIMMs for up to 8 TB of high bandwidth DDR5 memory up to 4800 MHz.
- 16 DIMMs per processor for up to 8 TB total DDR5 memory per server with increased performance, High Bandwidth Memory (HBM) support, and lower power requirements.
- 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.
- 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 up to 2 single wide (SW) GPUs[1] to accelerate graphic intense workloads.
- Supports Smart Cooling Modules for

Overview

Are you looking for a scalable, compute-dense solution for high-performance workloads such as VDI, EDA, or CAD?

The HPE ProLiant DL360 Gen11 server is a rack-optimized 1U dense solution that delivers exceptional compute performance, upgraded high-speed data transfer rate, and memory depth with 2P compute capability. Powered by 4th Gen Intel® Xeon® Scalable processors with up to 60 cores, increased memory bandwidth, up to 8 TB of memory, and high-speed PCIe Gen5 I/O, the HPE ProLiant DL360 Gen11 server is a perfect rack-optimized, 1U 2P, dense solution for general-purpose virtualization workloads that require increased compute density with built-in security and flexibility.

The silicon root of trust anchors the server firmware to an HPE-exclusive ASIC, creating an immutable fingerprint for the Secure Intel Processor that must be matched exactly before the server will boot. The HPE ProLiant DL360 Gen11 server is an excellent choice for EDA, CAD, and VDI.

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highest thermal design points (TDPs).

Features

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

HPE ProLiant DL360 Gen11 servers are engineered for your hybrid world. ProLiant DL360 Gen11 servers are powered by 4th Generation Intel® Xeon® processors and 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 to reduce and shorten maintenance windows.

Self-service automated experiences are engineered and built into all HPE ProLiant Gen11 servers, whether purchased as physical servers or consumed as 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 DL360 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 a) providing rapid detection of security-compromised servers, even to the point of not allowing them to boot if it identifies malicious code, and b) securing 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 a fast path to bring a server back online and into normal operations.

Embedded in Hewlett Packard Enterprise servers, HPE Integrated Lights-Out 6 (iLO 6) 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.

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

The HPE ProLiant DL360 Gen11 server is an excellent choice for EDA, CAD, and general-purpose virtualization workloads (including large-scale VDI), and Platforms (VCF & Containers) that require increased compute density with built-in security and flexibility.

Harness major computer performance. The HPE ProLiant DL360 Gen11 server is powered by the 4th Generation Intel® Xeon® Scalable Processors with next-generation technology that supports up to 60 cores, 350W, and up to 8 TB of memory.

The HPE ProLiant DL360 Gen11 server provides 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.

The server provides 16 DIMMs per processor for up to 8 TB total DDR5 memory with increased memory bandwidth and performance, and lower power

requirements.

The HPE ProLiant DL360 Gen11 server 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 DL360 Gen11

| | |
|-----------------------------------|---|
| Processor family | 4th Generation Intel® Xeon® Scalable Processors |
| Processor core available | 8 to 60 core, depending on processor. |
| Processor cache | 12 - 60 MB L3, depending on processor |
| Processor speed | 3.7 GHz, maximum depending on processor. |
| Power supply type | HPE 500W Flex Slot Platinum Hot Plug Power Supply, HPE 800W Flex Slot Platinum Hot Plug Power Supply, HPE 800W Flex Slot Titanium Hot Plug Power Supply, HPE 1000W Flex Slot Titanium Power Supply, HPE 1600W Flex slot Platinum Hot Plug Power Supply, HPE 1600W DC Power supply, HPE 1600W Flex Slot -48VDC Hot Plug Power Supply, HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply (to be available CQ4 2023), depending on model. |
| Expansion slots | Maximum 3 PCIe Gen5 slots and maximum 2 OCP 3.0 PCIe5 slots, for detail descriptions please see QuickSpecs. |
| Maximum memory | 4.0 TB per socket, when populated with 256 GB DDR5 |
| Memory slots | 16 DIMM slots per socket |
| Memory type | HPE DDR5 SmartMemory |
| Memory protection features | HPE Fast Fault Tolerant Memory Advanced ECC Memory Online Spare Memory Mirrored Memory |
| Optical drive type | Optional - HPE 9.5mm SATA DVD-RW Optical Drive, HPE Mobile USB DVD-RW Drive. |
| System fan features | Standard Fan Kit (Q'ty 5), Standard Fan Kit (Q'ty 2) for 2nd Processor, Performance Fan Kit (Q'ty 7), Close Loop Liquid Cooling Heatsink & Fan kit, Direct Liquid Cooling Solution (Shipment will be available CQ3 2023), depending on model. |
| Network controller | Wide range of speeds, cabling, chipsets and form factors (PCIe stand-up adapter and OCP3.0). Please see QuickSpecs for network card choices. |
| Storage controller | Included - Embedded SATA controller (AHCI or Intel SATA software RAID controller) Optional - HPE Smart Array Gen11 Storage Controller in Variety of protocols -including NVMe-, port count, array utilities, and form factors (PCIe stand-up adapter and OCP3.0). Please see QuickSpecs for storage controllers selection. |
| DIMM capacity | 16 GB to 256 GB |
| Infrastructure management | Included - HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download). Optional - HPE iLO Advanced, and HPE OneView Advanced. |
| 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 | Up to 4 LFF SAS/SATA HDDs or SSDs. Up to 8+2 SFF SAS/SATA HDDs or SATA/SAS/NVMe U.3 SSDs, depending on model. Up to 20 EDSFF E3.s 1T NVMe SSD. Up to 2 RAID1 NVMe M.2 Boot device (Internal modular or external accessible from rear wall). |

GPU support available Q2 2023. Subject to change.

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.

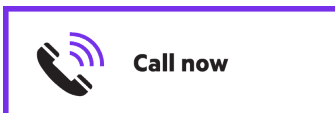
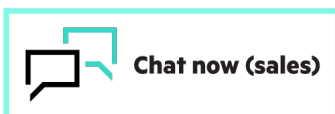
HPE GreenLake

[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](#).

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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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