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.

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-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 type	Intel®
Processor family	4th Generation Intel® Xeon® Scalable Processors
Processor number	1 or 2
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 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.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

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