HPE
GreenLake

HPE ProLiant DL365 Gen11

HPE ProLiant DL365 Gen11 9354 3.25GHz 32c 2P 384GB-R 8SFF NS204i-u NC BCM57414 2x1000W PS NA Server (P77249-005)

What's new

- Powered by the 5th Generation AMD EPYC™ Processors with 5nm technology that supports up to 160 cores at 400W, 512 MB of L3 cache, and 24 DIMMs for DDR5 memory up to 6000 MT/s.

- 12 DIMM channels per processor for up to 6 TB total DDR5 memory with increased memory bandwidth and performance, and lower power requirements.

- Advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 2x16 PCIe Gen5 and 2 OCP slots.

- Includes 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.

- EDSFF drive support for higher density and performance options.

- Supports Direct Liquid Cooling (DLC) for

Overview

Are you looking for a scalable, compute-dense solution for high-performance workloads?

The HPE ProLiant DL365 Gen11 server is a rack-optimized 1U 2P dense solution that delivers exceptional compute performance, upgraded high-speed data transfer rate and memory depth at 2P compute capability.

Powered by 4th and 5th Generation AMD EPYC™ Processors that supports up to 160 cores and 400W per CPU, up to 6 TB of DDR5 memory, and 20 EDSFF drives as well as increase memory bandwidth and high-speed PCIe Gen5 I/O, the HPE ProLiant DL365 Gen11 server is a perfect solution for workloads such as VDI, EDA, and CAD.

Enhanced security features with the HPE silicon root of trust are built into the firmware, creating a digital fingerprint for the AMD Secure Processor to validate safe operation prior to boot.

Supports Direct Liquid Cooling (DLC) for enhanced power usage effectiveness and reduce cooling costs.

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Features

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

HPE ProLiant DL365 Gen11 servers are engineered for your hybrid world. The HPE ProLiant 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 and instant scalability for 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 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 DL365 Gen11 server is tied into the silicon root of trust and the AMD Secure Processor, a dedicated security processor embedded in the AMD EPYC 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 AMD Secure Processor that must be matched exactly before the server will boot. This helps ensure malicious code is contained and healthy servers are protected.

HPE ProLiant Gen11 servers continuously protect healthy servers at the edge 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, 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.

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

Harness major computer performance. The HPE ProLiant DL365 Gen11 server is powered by the 5th Generation AMD EPYC™ Processors with next-generation 5nm technology that supports up to 160 cores, 400W, and 512 MB of L3 cache.

Advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 2x16 PCIe Gen5 and two OCP slots, improve I/O throughput and reduce latency.

12 DIMM channels per processor for up to 6 TB total DDR5 memory with increased memory bandwidth and performance, and lower power requirements.

Supports up to 2 GPUs for increased performance.

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

Technical specifications

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Product Number	P77249-005
Processor name	AMD EPYC™ 9354 (32 core, 3.25 GHz, 256 MB L3, 280W)
Processor number	2 processors included
Processor core available	32 core, per processor
Processor cache	256 MB L3
Processor speed	3.25 GHz
Power supply type	2x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit
Expansion slots	2 maximum, for detail descriptions refer to the QuickSpecs
Memory type	HPE DDR5 Smart Memory
Included drives	None ship standard, 8 SFF supported
Optical drive type	Optional: 9.5mm SATA DVD-ROM/RW Optical Drive
System fan features	7x Performance Fans
Network controller	1x Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE 1x Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
Storage controller	HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device
Infrastructure management	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) HPE iLO Advanced (require license), Compute Ops Management
Warranty	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpsc/wc/public/home. Additional HPE support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at 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.

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.
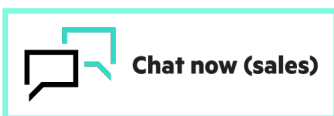
HPE GreenLake

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**

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