Data sheet

HPE ProLiant DL145 Gen11

HPE ProLiant DL145 Gen11 8124P 2.45GHz 16c 1P 2x32GB-R 6EDSFF NS204i-u MR416i-p 2x700W PS AP Server (P89116-375)

What's new

- AMD® EPYC™ 8005 (Sorano) processor family, customized for edge computing and environments with physical constraints such as limited power, space, or cooling, 8 to 84 cores, TDP ratings of up to 225W.
- AMD® EPYC™ 8004 (Siena) processor family, customized for edge computing and environments with physical constraints such as limited power, space, or cooling, 8 to 64 cores, TDP ratings of up to 200W.
- Compact size, 15 inches wide, 16 inches deep (without bezel), 20 inches (with bezel).
- Support for three single-wide or one double-wide GPUs.
- Various mounting option — Wall, desk, and rack.
- Operating temperature support up to to 55° C, bezel with air filter, designed to qualify for MIL-STD-810H.

Overview

Ready to experience exceptional performance, affordability, and versatility with a modern edge computing server solution?

The HPE ProLiant DL145 Gen11 server is a 2U, single processor, robust edge computing server designed to cater to the needs of retail, manufacturing, telecommunications, and various other industries. It offers a compelling alternative to traditional servers with its sleek design, affordable pricing, and quiet operation.

Powered by the latest 5th Generation AMD® EPYC™ 8005 Zen5 architecture, this server provides up to 84 energy-efficient cores. PCIe Gen5 speed, and high-performance EDSFF storage. It can operate continuously in temperatures ranging from -5°C to 55°C and withstand high-dust and high-vibration environments. It is engineered for today's hybrid world, allowing enterprises to virtualize traditional IT applications to power their businesses and accelerate AI success.

Features

Get Robust Edge Processing Power with a Small Server Footprint

The HPE ProLiant DL145 Gen11 reduces the reliance on cloud infrastructure by tackling a variety of low-latency workloads with efficient processing powered by AMD Sorano and Siena processors.

The server supports up to 84 cores and offers support for 3x single wide or 1x double wide GPUs, customizing its performance for edge workloads while simultaneously delivering more energy efficiency through new EDSFF performance drives.

Additionally, the HPE Integrated Lights Out (iLO) and HPE Compute Ops Management allow for ease of management in a variety of locations. The HPE ProLiant DL145 Gen11 small server footprint puts sustainability efforts top of mind for users.

Customized for Diverse Portfolio of Edge Computing Environments

The HPE ProLiant DL145 leverages a 2U form factor, providing better cooling operation, airflow, and quiet acoustics.

Measuring approximately 15 inches wide and 16 inches deep, the HPE ProLiant DL145 Gen11 can be rack, wall, or desk mounted, providing flexibility for your unique business environment.

Built for tough edge environments, the system is designed to operate reliably at temperatures up to 55°C and withstand shock and vibration. With the optional Military Ruggedization Kit, it is validated to MILSTD810H standards, delivering additional durability in harsh deployment conditions.

In locations with heavy amounts of dust and debris, the large air filter of the HPE ProLiant DL145 Gen11 is able to filter out harmful airborne material, keeping your device running efficiently.

Keeping your Data and Property Safe with Enhanced Security Features

The HPE ProLiant DL145 Gen11 provides the high-quality security features needed to verify your peace of mind.

Hewlett Packard Enterprise cares about keeping your property and data safe, especially at the edge, where data and property are more vulnerable to attack.

Built on the Hewlett Packard Enterprise signature silicon root of trust, HPE iLO 6, IDevID, and platform certificates, you can be sure your data is being protected from outside threats.

Chassis Intrusion detection with bezel and Kensington locks keep your device safe from unwarranted theft or intrusions.

Technical specifications	HPE ProLiant DL145 Gen11 8124P 2.45GHz 16c 1P 2x32GB-R 6EDSFF NS204i-u MR416i-p 2x700W PS AP Server
Product Number	P89116-375
Processor name	AMD EPYC™ 8124P (16 core, 2.45 GHz, 64 MB L3, 125W)
Processor number	1 processor included
Processor core available	16 core
Processor speed	2.45 GHz
Processor cache	64 MB L3
Memory type	HPE DDR5 Smart Memory
Included memory	64 GB (2x32 GB, 4800 MT/s)
System fan features	4x Performance Fans
Expansion slots	4x PCIe Gen5 (2 FHFL, 1 FHHL, 1 OCP 3.0) for detailed descriptions reference the QuickSpecs
Form factor	2U Rack
Network controller	Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
Storage controller	HPE MR416i-p Gen11 x16 Lanes 8GB Cache PCI SPDM Plug-in Storage Controller HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device
Included drives	None ship standard, 6 EDSFF supported
Power supply type	2x HPE ProLiant 700W Flex Slot Platinum Hot Plug Low Halogen Reverse Air Flow AC Power Supply Kit
Infrastructure management	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download), HPE Compute Ops Management (optional subscription available)
Security	TPM 2.0, silicon root of trust, secure boot, chassis intrusion detection and bezel lock, and Kensington lock, optional data-at-rest hardware encryption. For full security features refer to the QuickSpecs.
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/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.

[1]Typical NEBS certification is 90 days post production manufacture

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 Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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