HPE ProLiant DL525 Gen13 Server



What's new

- AMD EPYC™ 9006 SP7 Server CPUs, up to 256 cores, and up to 1 .6 TB of memory bandwidth with MRDIMM and DDR5 DIMMs at speeds up to 8000 MT/s for data-intensive workloads.
- PCIe Gen6 delivers up to 2x more bandwidth for next-generation I/O and accelerator technologies.
- Choice of air and direct liquid cooling helps optimize deployment flexibility and sustain higher-performance configurations.
- GPU support, up to two double-width or four single-width, enables accelerated AI inference and analytics in a space-efficient form factor.
- Includes HPE Integrated Lights-Out 8 (iLO 8) and HPE Compute Ops Management, enabling secure configuration, monitoring, and seamless updates of HPE ProLiant Gen13 servers.
- AI-driven server management improves visibility, lifecycle operations, and automation.

Overview

How can organizations deliver more performance without adding cost, power consumption, or complexity?

The new HPE ProLiant DL525 Gen13 Server is a purpose-built secure, single-socket 1U platform ideal for AI inferencing, simulation, modeling, virtualization, and enterprise workloads, that delivers up to 2x greater compute performance and improved efficiency by combining exceptional core density, memory bandwidth, and next-generation I/O.

HPE ProLiant DL525 Gen13 Server is a 1U platform with AMD EPYC™ 9006 SP7 CPU with up to 256 cores, PCIe Gen6 IO, 16-channel DDR5 memory, and MRDIMM support up to 12800 MT/s. It combines high compute performance with expanded memory and I/O resources, enabling organizations to support larger datasets, faster data movement, and more demanding workloads within a compact footprint.

Features

Automated Protection, Verified Trust, Built for What's Next

HPE ProLiant Gen13 Servers with HPE iLO 8 standardizes on self-encrypting drives through Auto-SED, automatically protecting data at rest from first boot without additional configuration, external key managers, or manual activation.

Multi-person authorization adds built-in approval controls for high-impact administrative actions such as key provisioning and secure erase, helping reduce risk from single-user mistakes, unauthorized actions, or credential misuse.

HPE ProLiant Gen13 Servers with HPE iLO 8 delivers extended post-quantum cryptography (PQC) protection through live communications between iLO, platform firmware, option firmware, embedded components, and management systems to be protected.

HPE ProLiant Gen13 Servers with HPE iLO 8 expands component attestation by authenticating and ensuring integrity of an expanded list of critical system components at every stage of the server lifecycle, so nothing operates unless it is trusted.

HPE iLO 8 protects and makes sure servers stay updated throughout their lifecycle by combining security management, proactive guidance, security-focused recommendations, and direct access to HPE specialists through HPE Tech Care Service.

Optimized Performance Density for AI-Era Economics

Boost workload performance and data center efficiency with up to 256 cores from a single 6th Gen AMD EPYC™ SP7 processor in a compact 1U design.

Increase consolidation and utilization by running more AI inference, modeling, simulation, EDA, analytics, and virtualization workloads on fewer servers.

Accelerate insight and response times by keeping data-intensive workloads supplied with up to 1.6 TB/s memory bandwidth, DDR5, MRDIMM, and PCIe Gen6.

Deploy high-performance configurations with greater flexibility by choosing air or direct liquid cooling to match data center requirements

Improve infrastructure ROI by getting more performance from every watt, rack unit, and IT dollar with dense, efficient compute for AI-era workloads.

Advancing the Next Era of AI-Driven Server Operations

Simplify server onboarding across distributed environments with low-touch operations that reduce manual effort with HPE Compute Ops Management.

Improve day-2 operational decision-making with expert guidance, personalized insights, and self-service resources that help identify risks and optimize environments with HPE Tech Care Services.

Accelerate issue resolution with closed-loop, AI-enabled workflows and HPE Support integration, delivering lighter-touch operations, faster mean time to repair (MTTR), and fewer support loops.

Advisory intelligence powered by agentic AI analyzes advisories against the customer environment and remediation moves from manual reviews to automated workflows.

Make informed power decisions with power capacity data that help plan rack capacity and support more confident infrastructure growth.

Technical specifications	HPE ProLiant DL525 Gen13 Server
Processor type	AMD
Processor family	AMD EPYC™ 9006 SP7 Server CPUs
Processor number	1
Processor core available	64 to 256 core, depending on processor.
Processor speed	5 GHz maximum, depending on processor.
Processor cache	384 - 1024 MB L3, depending on processor.
Memory type	HPE DDR5 Smart Memory
Maximum memory	4.0 TB with 256 GB DDR5
Memory slots	16 DDR5 DIMM slots
Memory protection features	On-Die ECC (Error Correction Code) designed to correct bit errors within the DRAM
Accelerators	Up to two double-width or 4 single-width GPUs
System fan features	8 performance fans included
Expansion slots	Up to 7 PCIe Gen6 slots (mixing of x8 and x16) & 2 OCP 3.0 slots
Form factor	1U Rack
Network controller	Optional - Minimum 1 to be selected. Wide range of speeds, cabling, chipsets and form factors (PCIe stand-up adapter and OCP 3.0 in rear/front). See QuickSpecs for network card choices.
Storage controller	Optional - HPE ProLiant Storage Controller in a variety of protocols -including NVMe, port count, array utilities, and form factors (PCIe stand-up adapter and OCP3.0) Optional - HPE ProLiant Gen13 OS boot Device, in rear or front accessible See QuickSpecs for storage controllers selection.
Drive supported	Up to 20 EDSFF E3.S 1T NVMe, depending on model.
Power supply type	Up to 2 HPE Modular Common Redundant (M-CRPS) Power Supplies, wattage depending on model.
Infrastructure management	Included - HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional - HPE iLO Advanced, HPE iLO Advanced Premium Security Edition and HPE OneView Advanced.
Security	Dual locking bezel with high-security Medeco locks and tamper-evident enclosure seals. TPM 2.0, Silicon Root of Trust, Secure Boot, optional configuration lock, optional data-at-rest hardware encryption, optional Secure Erase, lockable bezel.

Technical specifications	HPE ProLiant DL525 Gen13 Server
Warranty	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional HPE support and service coverage, to supplement the product warranty, is available. For more information, visit 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.

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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