HPE ProLiant DL110 Gen11



What's new

- Upgraded PCIe 5.0 support.
- Features 4th Generation Intel® Xeon® Scalable processors and 4th Generation Intel® Xeon® Scalable processors with Intel® vRAN Boost.
- HPE DDR5 Memory.
- Offer HPE iLO6 support.
- Support for high-powered vRAN accelerators.

Overview

Are you ready for 5G?

Customized for edge applications requiring high bandwidth and low latency such as 5G cellular processing (vRAN), the HPE ProLiant DL110 Gen11 server is based on open, standards-compliant infrastructure and offers dense I/O capabilities with PCIe Gen5 speed, acceleration, and powerful compute driven by 4th Generation Intel® Xeon® Scalable processors. The HPE ProLiant DL110 Gen11 provides a reduced footprint with a compact, short-depth, 1U/1P front accessible chassis and ruggedized with NEBS Level 3 compliance for harsh environments. [1] Delivering the trusted HPE ProLiant experience with embedded HPE Integrated Lights-Out (iLO) management and security via HPE silicon root of trust, the HPE ProLiant DL110 Gen11 is ready for communication service provider's 5G deployments.

Features

Open, Standards-based Architecture

HPE ProLiant DL110 Gen11 server is designed to reduce operational complexity and accelerate time to value with standards-compliant infrastructure.

Features flexibility to support multi-vendor software-based RAN solutions.

Purpose-built for Telco Open RAN

The HPE ProLiant DL110 Gen11 server features a short depth, 1U/1P chassis designed specifically for edge computing and integrating seamlessly with customer's infrastructure to simplify deployment.

I/O intensive features support transport adjacencies such as fronthaul gateways and cell site routers.

Powerful compute is backed by 4th Generation Intel® Xeon® Scalable processors.

Support for high powered vRAN accelerators.

Carrier-grade Ruggedized NEBS Level 3-compliant Platform

The impressively reliable HPE ProLiant DL110 Gen11 server features NEBS certification and is built for far-edge deployments with harsh environmental demands. [1]

Designed to operate in challenging thermal conditions and withstand seismic events.

Intelligent Management Automation

Embedded in the HPE ProLiant DL110 Gen11 server, HPE Integrated Lights-Out (iLO) is an exclusive core intelligence that monitors server status, providing the means for reporting, ongoing management, service alerting, and local or remote management to identify and resolve issues quickly.

Automation and software-defined control reduces time spent on provisioning and maintenance, while reducing deployment times.

HPE InfoSight for servers continually analyzes server infrastructure and applies real-world examples of hundreds of thousands of servers to predict and prevent problems before they can adversely affect business operations.

Technical specifications	HPE ProLiant DL110 Gen11
Processor type	Intel®
Processor family	4th Generation Intel® Xeon® Scalable Processors and 4th Generation Intel® Xeon® Scalable Processors with Intel® vRAN Boost
Processor number	1
Processor core available	8 to 32 core, depending on processor SKU
Processor speed	Up to 3.7 GHz, depending on processor SKU
Processor cache	22.5 to 60 MB L3, depending on processor
Memory type	HPE DDR5 Memory
Maximum memory	1.0 TB with 128 GB RDIMM
Memory slots	8 DIMM slots
System fan features	7 Hot-plug
Expansion slots	4, for detailed descriptions refer to the QuickSpecs
Network controller	Wide range of speeds and form factors (PCIe and OCP3.0). Please see QuickSpecs for network card choices.
Storage controller	Embedded SATA controller (AHCI or Intel SATA Hybrid RAID controller)
Drive supported	4 M.2 SATA/NVMe SSD
Power supply type	HPE ProLiant DL110 700W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit, HPE ProLiant DL110 700W Flex Slot Platinum Hot Plug Low Halogen AC Power Supply Kit, HPE ProLiant DL110 900W-1000W Titanium Hot Plug AC Power Supply Kit
Infrastructure management	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional- HPE iLO Advanced, and HPE OneView Advanced (require licenses)
Security	UEFI Secure Boot and Secure Start supported by Intel® Software Guard Extensions (SGX), Immutable Silicon Root of Trust, iLO Security modes, and HPE TPM 2.0
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: http://h20564.www2.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 http://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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