HPE ProLiant DL20 Gen11



What's new

- Supports Intel® Xeon® E-2400 Series processors, up to 8 cores.
- HPE InfoSight provides a cloud-based analytics tool that predicts and prevents problems before your business is impacted.
- Optional HPE iLO management port as an option kit for faster data transmission with enhanced security.
- One PCIe Gen5 slot for greater I/O bandwidth.
- One OCP slot for greater I/O bandwidth.

Overview

Are you looking for a compact and versatile 1U server that supports edge workloads like security monitoring in a variety of environments?

The reliable HPE ProLiant DL20 Gen11 server delivers a compact and versatile server with enhanced security at an affordable price. Deploy the short-depth rack form factor in small, remote, or branch offices, as a powerful point of sale platform in transport, retail, and hospitality environments or as a flexible configuration for customization in space constrained environments of military and government customers. Blending performance, reliability, and manageability, this one-socket, 1U server featuring Intel® Xeon® E processors provide unique enterprise-class capabilities at a great value—making it an ideal rack server platform for growing businesses, enterprises, and service providers. Outstanding configuration flexibility caters to a variety of business requirements and a wide range of qualified options fits a variety of needs.

Features

Compact, Secure, and Reliable Design for an Affordable Solution

HPE ProLiant DL20 Gen11 server is a short-depth chassis of 15.05 inches, providing mobility and easy deployment in a wide variety of environments.

HPE ProLiant DL20 Gen11 server has great quality and design features that are a hallmark of the HPE ProLiant family such as tool-less access to system components and enhanced serviceability.

Handle a range of light workloads to more demanding requirements with affordable configuration choices and a wide variety of Hewlett Packard Enterprise qualified options.

Right Balance of Performance, Flexibility, Reliability, and Manageability for Growing Business Needs

HPE ProLiant DL20 Gen11 server offers a wide choice of dual-core, quad-core, hexa-core or octa-core Intel® Xeon® E processors with up to 128 GB of DDR5 ECC memory to handle your workload demands.

Experience outstanding configuration flexibility with support for up to two large form factor (LFF) or six small form factor (SFF) drives, four DDR5 ECC UDIMMs, 290W, 500W, 800W or 1000W power supplies, and a more efficient deployment of options via HPE PCIe and OCP slots - now supporting PCIe 5.0.

The reliable HPE ProLiant DL20 Gen11 server combines a dense and compact form factor with redundant power supply capability, which keeps your business running and provides data protection and accessibility even in the event of a power supply failure.

Along with an embedded 4 x 1GbE, you have a choice of HPE PCIe standup adapters that offer a choice of networking bandwidth (1GbE to 10GbE) and fabric, so you can adapt and grow to changing business needs.

HPE iLO 6 provides a more efficient and easier server management. It enables large-scale firmware deployment, improved GUI to simplify management with industry-standard APIs, and easy system debug access.

Security Innovations

Only Hewlett Packard Enterprise offers industry-standard servers, such as the HPE ProLiant DL20 Gen11server, with major firmware anchored directly into the silicon and with security protection built in across the server life-cycle, starting with Silicon Root of Trust from HPE.

Millions of lines of firmware code run before the server operating system boots. With Runtime Firmware Verification, enabled by the optional HPE iLO Advanced Premium Security Edition, the server's firmware is checked every 24 hours, verifying validity and credibility of essential system firmware.

Secure Recovery allows server firmware to roll back to the last known good state or factory settings after detection of compromised server.

Additional security options are available with Trusted Platform Module (TPM) to avoid unauthorized access to the server and store artifacts used to authenticate the server platforms, while the Intrusion Detection Kit logs and alerts when the server hood is removed for further protection.

Industry-leading Services and Ease of Deployment

HPE ProLiant DL20 Gen11 server comes standard with a complete set of services from HPE Services, delivering confidence, reducing risk, and helping customers realize agility and stability.

HPE Services simplify the stages of your IT journey. Advisory and Transformation Services professionals understand customer challenges and design an ideal solution. Professional Services enables rapid deployment of solutions.

Operational Services from HPE Services includes: HPE Complete Care, HPE Tech Care and project-based services, such as Integration and Performance services. Additional services can be added to customize your experience at any stage of your IT lifecycle.

HPE IT investment solutions help you transform to a digital business with IT economics that align to your business goals.

Technical specifications	HPE ProLiant DL20 Gen11
Processor type	Intel
Processor family	Intel® Xeon® E-2400 Series
Processor core available	4 to 8 core, depending on processor.
Processor cache	Up to 16 MB Intel® Smart Cache, depending on processor.
Processor number	1
Processor speed	5.8 GHz, maximum depending on processor.
Maximum memory	128 GB
Memory slots	4 DIMM slots, maximum
Memory type	HPE DDR5 Standard Memory
Memory protection features	ECC
Drive supported	2 Non-hot plug LFF or 2 Hot plug LFF or 4+2 Hot plug SFF.
Security	Embedded Trusted Platform Module (TPM) 2.0 enabled by default. For servers shipping to China, the TPM is disabled. For full security features refer to the QuickSpecs.
Infrastructure management	HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management. Refer to the HPE iLO 6 User Guide
Expansion slots	Two maximum, for detailed descriptions refer to the QuickSpecs.
Network controller	HPE embedded 1Gb 4-port BCM5720 Network Adapter
Storage controller	Intel® VROC SATA (formerly known as Intel® RSTe)
Form factor	1U Rack
Warranty	Server warranty includes 3-year parts, 3-year labor, and 3-year on-site support with next business day response. Additional information regarding worldwide limited warranty and technical support is available at: www.hpe.com/services/support. 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, visit www.hpe.com/services/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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