

HPE ProLiant DL20 Gen10 E-2124 1P 16GB-U 2LFF 290W PS Perf Server (P06477-B21)

ProLiant DL Servers



What's new

- Introducing support for Intel Xeon E processors and 2666 MHz UDIMM with support for Intel Software Guard Extensions designed to increase the security of application code and data.
- Storage enhancements in the form of

Overview

Are you looking for a compact 1U server that supports workloads in a variety of environments? HPE ProLiant DL20 Gen10 server delivers a compact and versatile server at an affordable price. Deploy the portable form factor in small, remote or branch offices, as a compact yet powerful point of sale platform in transport, retail and hospitality environments, or as a flexible configuration for customization in space constrained

increased capacity of up to 6 SFF drives and M.2 SSDs for boot.

- Dedicated HPE iLO Management Port as an option kit for faster and more secure data transmission.
- More choice of power supplies with 500W 94% efficiency and 800W 48VDC 94% efficiency flex slot redundant power supplies.
- Proven reliability featuring an increased (or enhanced) warranty from one year to three years (parts, labor, and on-site support).
- New SMB focused solutions.

environments of OEM, military and government customers. HPE ProLiant DL20 Gen10 server blends performance, reliability and manageability. This 1P 1U server powered by Intel® Pentium®, Intel® Core™ i3 or Intel® Xeon® E processors provides 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 range of HPE Qualified Options to fit most needs—helping customers improve their workloads.

Features

Compact and Simple Design for an Affordable Solution

HPE ProLiant DL20 Gen10 server is a short-depth chassis of 15.05 inch providing mobility and easy deployment in a wide variety of environments.

HPE ProLiant DL20 Gen10 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.

It provides affordable configuration choices along with a wide variety of HPE Qualified Options that addresses light workloads to the most demanding requirements.

HPE ProLiant DL20 Gen10 server also supports low-cost Pentium and Core series processors to meet entry configuration requirements.

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

You have a wide choice of dual core, quad core and hexa core Intel Pentium and Xeon E processors with up to 64 GB of DDR4 ECC memory to handle any demands that your workload might make on the HPE ProLiant DL20 Gen10 server.

It offers outstanding configuration flexibility with support for up to two large form factor (LFF) or six small form factor (SFF) drives, four DDR4 UDIMMs, 290W or 500W or 800W power supplies, and a more efficient deployment of options via HPE FlexibleLOM and PCIe slots.

The HPE ProLiant DL20 Gen10 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 2 x 1GbE, you have a choice of HPE FlexibleLOM or 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 iLO5 provides a more efficient and easier server management. It enables large-scale FW 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 Gen10 server, 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.

Millions of lines of firmware code run before 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 Gen10 server comes standard with a complete set of services from HPE Pointnext, delivering confidence, reducing risk, and helping customers realize agility and stability.

HPE Pointnext 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.

Services provided under Operational services include: HPE GreenLake Flex Capacity, HPE Datacenter Care - Infrastructure Automation, HPE Campus Care, HPE Proactive Services, and HPE Datacenter Care for Multi-vendor. Operational services provides the ongoing support.

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

Technical specifications

HPE ProLiant DL20 Gen10 E-2124 1P 16GB-U 2LFF 290W PS Perf Server

Product Number (SKU)	P06477-B21
Processor family	Intel® Xeon® E 2100 product family Intel® Core™ i3 Intel® Pentium®
Processor core available	4
Processor cache	8 MB
Processor speed	3.3 GHz
Power supply type	1 HPE 290W non-hot plug power supply
Expansion slots	Two maximum, for detail descriptions reference the QuickSpecs
Maximum memory	64 GB
Memory, standard	16 GB (1 x 16 GB) UDIMM
Memory slots	4 DIMM slots, maximum
Memory type	HPE Standard Memory
Memory protection features	ECC
Included hard drives	None ship standard
Optical drive type	None
Network controller	1 Gb 332i Ethernet adapter 2 ports
Storage controller	HPE S100i
Minimum dimensions (H x W x D)	4.32 x 43.46 x 38.22 cm (HxWxD)
Weight	6 kg minimum 9.46 kg maximum
Infrastructure management	HPE iLO5
Warranty	Server Warranty includes 3-years parts, 3-years labor, 3-years 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 Hewlett Packard Enterprise 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 www.hpe.com/services/support .

Additional resources

QuickSpecs

[hpe.com/h20195/v2/GetDocument.aspx?](http://hpe.com/h20195/v2/GetDocument.aspx?docname=a00053820enus)

[docname=a00053820enus](http://hpe.com/h20195/v2/GetDocument.aspx?docname=a00053820enus)

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

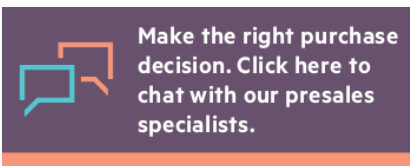
Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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PSN1011070314USEN, November 06, 2018.