Hewlett Packard Enterprise

HPE ProLiant DL180 Gen9 Server

ProLiant DL Servers

What's new

- Build a fully functional server with ClearOS that is just right for you at no upfront cost. For more information, check the ClearOS link on the right.

Overview

Do you need a cost-effective server that can keep pace with your data growth while providing options to manage and deliver performance?

The HPE ProLiant DL180 Gen9 Server delivers an optimized 2U server, designed with the right balance of expandability, performance, reliability and manageability all in a new compact chassis, making it the ideal platform for SMBs and Enterprises running the "New Style of IT", applications such as Hadoop, Cloud and mobility applications which need right mix of compute and storage.

Features

Scalability and Performance To Meet the New Standard of Growing Data Center Needs

The HPE ProLiant DL180 Gen9 Server provides ample storage capacity on demand with drive configurations ranging from (4) to (12) Large Form Factor (LFF) or (8) to (16) Small Form Factor (SFF) HPE SmartDrives, with flexibility of LFF non-hot plug (NHP) options at the right economics.

It supports up to two Intel® Xeon® processor E5-2600 v3/v4 processors with up to (12) cores and (16) DIMM slots of HPE DDR4 SmartMemory offering improved performance and efficiency.

Comes standard with 2x1GbE and choice of HPE FlexibleLOM or PCIe standup 1GbE or 10GbE Adapters provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.

Up to six PCIe 3.0 riser slots to support a wide range of GPUs and networking cards offering increased IO bandwidth and seamless expandability.

Embedded SATA HPE Dynamic Smart Array B140i Controller for boot and data. Choice of HPE Smart Array Controllers with increased performance, data availability with 12 Gb/s SAS technology or HPE Smart HBAs with reliable high performance SAS connectivity capable of running HBA mode or simple RAID mode.

High Availability and Efficiency for Dense Storage Applications

The HPE ProLiant DL180 Gen9 Server supports HPE SmartDrive technology which improves serviceability and prevents data loss with features, such as, self-describing LEDs and a Do Not Remove icon.

HPE SmartMemory prevents data loss and downtime with enhanced error handling. Support of up to 512 GB max capacity with speeds up to 2133 MHz with up to 14%[1] performance gain.

80 PLUS certified entry-level redundant HPE Power Supplies provide up to 92% efficiency which combined with HPE power management features leads to reduction of power consumption.

Improved ambient temperature standard with ASHRAE A3 and A4 [2] helps customers reduce cooling expense.

ENERGY STAR® qualified server configurations illustrate a continued commitment to helping customers conserve energy and save money.

Agile Infrastructure Management for Accelerating IT Service Delivery

With HPE ProLiant DL180 Gen9 Server, HPE OneView provides infrastructure management for automation simplicity across servers, storage and networking.

Online personalized dashboard for converged infrastructure health monitoring and support management with HPE Insight Online.

Configure in UEFI boot mode, provision local and remote with Intelligent Provisioning and Scripting Toolkits.

Embedded management to deploy, monitor and support your server remotely, out of band with HPE iLO.

Optimize firmware and driver updates and reduce downtime with Smart Update, consisting of SUM (Smart Update Manager) and SPP (Service Pack for ProLiant).

Technical specifications

HPE ProLiant DL180 Gen9 Server

Processor family	Intel® Xeon® E5-2600 v3 product family Intel® Xeon® E5-2600 v4 product family
Number of processors	1 or 2
Processor core available	18 or 16 or 14 or 12 or 10 or 8 or 6 or 4
Processor cache	10MB L3 15MB L3 20MB L3 25MB L3 30MB L3 35MB L3 40MB L3 45MB L3
Processor speed	3GHz
Form factor (fully configured)	2U
Form factor chassis	Rack
Power supply type	(2) Entry-Level
Expansion slots	(6) Maximum - For detail descriptions reference the QuickSpecs
Maximum memory	1TB
Memory slots	16 DIMM slots
Memory type	DDR4 SmartMemory
Drive description	(4) LFF SAS/SATA/SSD or (12) LFF SAS/SATA/SSD (8) SFF SAS/SATA/SSD or (16) SFF SAS/SATA/SSD Hot plug and/or Non-hot plug, depending on model
System fan features	Non-hot plug redundant optional
Network controller	1Gb 361i Ethernet Adapter 2 Ports per controller and/or Optional FlexibleLOM on riser Depending on model
Storage controller	(1) Dynamic Smart Array B140i and/or (1) H240 Host Bus Adapter and/or (1) Smart Array P840 Depending on model
Infrastructure management	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials(optional), iLO Scale-Out(optional) iLO Advanced (optional)
Warranty	3/1/1 Server Warranty includes three years of parts, one year of labor, one year of onsite support coverage. 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.

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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 evolve and grow today and into the future.

Operational Services

- **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 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 Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

- **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.

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.

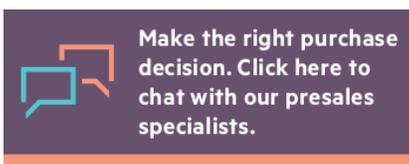[1] Based on similar capacity DIMM comparing HPE server vs. non HPE server with DDR4, July 2014.

[2] Please see www.hp.com/servers/ASHRAE for details.

Image may differ from actual product
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