Hewlett Packard Enterprise

HPE ProLiant DL380 Gen9 Server

ProLiant DL Servers

What's new

- New Capacity Drives
- New GPU options
- Enhanced NIC offering
- Support for Microsoft Windows Server 2016
- Clear OS support

Overview

What is your server bottleneck…storage, processing, expansion?

The world's best-selling server [1] just got better. The HPE ProLiant DL380 Gen9 Server delivers the latest performance and expandability. Reliability, serviceability and near continuous availability, backed by a comprehensive warranty, makes it ideal for any server environment. Deploy the data center standard.

Designed to reduce costs and complexity, leveraging Intel's latest E5-2600 v4 processors with 21% [2] performance gain, plus the latest HPE 2400 MHZ DDR4 SmartMemory supporting 3.0 TB and up to 23% [3] performance increase.

Supporting 12 Gb/s SAS, 40 Gb NIC with broad range compute options. HPE Persistent Memory, the world's first NVDIMM optimized on ProLiant, offering unprecedented levels of performance for databases and analytic workloads. Run everything from the most basic to mission critical applications, and can be deployed with confidence.

Features

Flexible Design Makes Your Investment "Future Proof" so it Can Grow as Your Business Needs Expand

The HPE ProLiant DL380 Gen9 Server has a flexible redesigned chassis, including new HPE Universal Media Bay configuration options with 8 to 24 SFF and 4 or 12 LFF drive options along with NVMe options and additional rear drive support for expandability and investment protection.

HPE Persistent Memory, the first Non-volatile DIMM (NVDIMM) optimized on HPE ProLiant, offering unprecedented levels of performance and data resiliency for databases and analytic workloads.

In conjunction with the embedded SATA HPE Dynamic Smart Array B140i Controller for boot, data and media needs, the redesigned HPE Flexible Smart Array and HPE Smart SAS HBA Controllers allow you the flexibility to choose the optimal 12 Gb/s controller most suited to your environment.

You have a choice of embedded 4x1GbE, HPE FlexibleLOM or PCIe standup 1GbE to 40GbE Adapters provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.

World-class Performance and Industry-leading Energy Efficiency

The HPE ProLiant DL380 Gen9 Server supports industry standard Intel® Xeon® E5-2600 v3 and E5-2600 v4 processors with up to 22 cores, 12G SAS and 3.0 [5] TB of HPE DDR4 SmartMemory. [3]

High efficiency redundant HPE Flexible Slot Power Supplies provide up to 96% efficiency (Titanium), HPE Flexible Slot Battery Backup module and support for the HPE Power Discovery Services offering.

Improved ambient temperature standards with HPE Extended Ambient Operating Support (ASHRAE A3 and A4) and optional performance heatsinks help to reduce cooling costs. [4]

Enhanced performance with active and passive, single and double-wide GPU support for workload acceleration.

Agile Infrastructure Management for Accelerating IT Service Delivery

With HPE ProLiant DL380 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 Unified Extensible Firmware Interface (UEFI) boot mode, provision local and remote with HPE iLO 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).

Industry Leading Serviceability

The HPE ProLiant DL380 Gen9 Server comes with a complete set of HPE Technology Services, delivering confidence, reducing risk and helping customers realize agility and stability. HPE provides consulting to transform your infrastructure; services to deploy, migrate and support your ProLiant Servers.

Hewlett Packard Enterprise provides consulting advice to transform and modernize your infrastructure; services to deploy, migrate and support your new ProLiant servers and education to help you succeed quickly.

Technical specifications   HPE ProLiant DL380 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	22 or 20 or 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 50MB L3 55MB L3
Processor speed	3.5GHz
Form factor (fully configured)	2U
Form factor chassis	Rack
Power supply type	(2) Flex Slot
Expansion slots	(6) Maximum - For detail descriptions reference the QuickSpecs
Memory, maximum	3.0TB With 128 GB DDR4
Memory slots	24 DIMM slots
Memory type	DDR4 SmartMemory
Drive description	((4) or (12)) LFF SAS/SATA/SSD ((8), (10), (16), (18) or (24)) SFF SAS/SATA/SSD (2) SFF Rear drive optional or (3) LFF Rear drive optional and (6) SFF NVMe (optional) NVMe support via Express Bay will limit max drive capacity
System fan features	Hot plug redundant standard
Graphic card	Choice of up to 2 double wide GPGPU's, or 3 single wide GPGPU's
Network controller	1Gb 331i Ethernet Adapter 4 Ports per controller and/or Optional FlexibleLOM Depending on model
Storage controller	(1) Dynamic Smart Array B140i and/or (1) Smart Array P440ar (1) Smart Array P840 Depending on model
Infrastructure management	iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (optional), HP Insight Control (optional)

Warranty	3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: http://h18004.www1.hpe.com/products/servers/platforms/warranty/index.html 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

Additional resources

QuickSpecs

h20195.www2.hpe.com/v2/GetDocument.aspx?docname=c04346247

HPE Services

Let HPE help guide you to the New Style of Business.HPE Technology Services delivers confidence, reduces risk, and helps you realize greater agility and stability.**hpe.com/services**

- HPE implementation and installation services enable faster, more reliable startup of your new ProLiant Gen9 servers, and our support portfolio allows you to get connected and get back to business fast.

- HPE Foundation Care provides a choice of coverage levels and response times for hardware and software support.

- We recommend HPE Proactive Care for ProLiant servers to prevent issues and resolve problems quickly and efficiently.

- HPE Datacenter Care enables you to operate and evolve your IT environment at a lower cost and with more agility, including our Flexible Capacity Service to acquire IT without impacting capital budget.

- Our support technology lets you tap into the knowledge of millions of devices and thousands of experts to stay informed and in control, anywhere, any time.

- Our Consulting services provide advice and guidance to safely move your workloads to newer technologies

[1] CQ1'16 IDC Server Tracker

[2] Intel performance testing, http://www.intel.com/performance, comparing measurements on platform with two E5-2600 v3 vs E5-2600 v4. November 2015.

[3] up to 23% better performance is based on similar capacity DIMM running on HPE server compared to a non HPE server with DDR4. HPE internal labs estimate, March 2016.

[4] Please see www.hpe.com/servers/ASHRAE for details.

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