



# HPE ProLiant DL380 Gen9 Server

## ProLiant DL Servers



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### 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

<b>Processor family</b>	Intel® Xeon® E5-2600 v3 product family Intel® Xeon® E5-2600 v4 product family
<b>Number of processors</b>	1 or 2
<b>Processor core available</b>	22 or 20 or 18 or 16 or 14 or 12 or 10 or 8 or 6 or 4
<b>Processor cache</b>	10 MB L3 15 MB L3 20 MB L3 25 MB L3 30 MB L3 35 MB L3 40 MB L3 45 MB L3 50 MB L3 55 MB L3
<b>Processor speed</b>	3.5 GHz
<b>Form factor (fully configured)</b>	2U
<b>Form factor chassis</b>	Rack
<b>Power supply type</b>	2 Flex Slot
<b>Expansion slots</b>	6 maximum, for detailed descriptions reference the QuickSpecs
<b>Maximum memory</b>	3.0 TB, with 128 GB DDR4
<b>Memory slots</b>	24 DIMM slots
<b>Memory type</b>	HPE DDR4 SmartMemory
<b>Drive description</b>	((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
<b>System fan features</b>	Hot plug redundant standard
<b>Graphic card</b>	Choice of up to 2 double wide GPGPU's, or 3 single wide GPGPU's
<b>Network controller</b>	HPE 1 Gb 331i Ethernet adapter 4 ports per controller and/or an optional FlexibleLOM, depending on model
<b>Storage controller</b>	1 HPE Dynamic Smart Array B140i and/or 1 HPE Smart Array P440ar or 1 HPE Smart Array P840, depending on model
<b>Infrastructure management</b>	Standard: HPE iLO Management with Intelligent Provisioning Optional: HPE iLO Advanced and HPE Insight Control
<b>Warranty</b>	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: <a href="http://h20564.www2.hpe.com/hpsc/wc/public/home">http://h20564.www2.hpe.com/hpsc/wc/public/home</a> . 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 <a href="http://www.hpe.com/support">http://www.hpe.com/support</a>

**Additional resources**

**QuickSpecs**

[hpe.com/h20195/v2/GetDocument.aspx?docname=c04375627](http://hpe.com/h20195/v2/GetDocument.aspx?docname=c04375627)

**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.

Call to action:

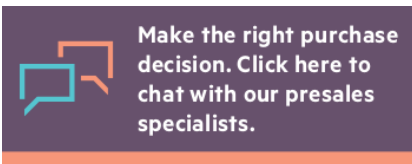
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[1] CQ1'16 IDC Server Tracker

[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](http://www.hpe.com/servers/ASHRAE) for details.



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