



# HPE ProLiant DL160 Gen9 Server

## ProLiant DL Servers



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### 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 server with essential features for your IT environment, which is constrained by budget, space or IT resources?

The HPE ProLiant DL160 Gen9 Server delivers the right balance of performance, storage, reliability, manageability and efficiency in a dense and compact chassis, to meet the needs of a diverse set of customers - from SMBs to service providers with a wide range of deployments - from general purpose IT infrastructure to the emerging "New Style of IT" deployments like cloud and big data in distributed computing environments.

## Features

### Essential Combination of Performance, Manageability and Storage for the IT Needs of SMBs

The HPE ProLiant DL160 Gen9 Server offers (16) DIMM slots of HPE DDR4 SmartMemory, with built-in intelligence to reduce downtime and up to 14% [1] better throughput performance.

Embedded management to deploy, monitor and support your server remotely, out of band with HPE iLO makes it easier to manage complex IT environments thereby minimizing the IT resource requirements.

Supports up to (2) Intel® Xeon® E5-2600 v3/v4 processors offering improved performance and efficiency.

HPE SmartDrives continue to deliver optimal performance, capacity, and reliability to meet various customer segments and workload requirements at the right economics. Supports up to (4) LFF and (8) SFF 12 Gb/s with flexibility of (4) LFF NHPE option.

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.

### Scalability and Efficiency in a Dense Design for Hyperscale Environments

The HPE ProLiant DL160 Gen9 Server offers dense and efficient design at a price point that provides agile horizontal expansion capability for distributed computing environments like Hadoop, NoSQL to cope-up with fast growing business needs.

Standard with 2x1GbE, up to (3) PCIe slots and choice of HPE FlexibleLOM provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.

Up to 92% efficient 80 PLUS certified entry-level HPE Power Supplies and ENERGY STAR® qualified server configurations illustrate a continued commitment to helping customers conserve energy and save money.

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

### Agile Infrastructure Management for Accelerating IT Service Delivery

With HPE ProLiant DL160 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 to provision local and remote servers with HPE iLO with Intelligent Provisioning, Scripting Toolkits or RESTful Interface Tool.

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 DL160 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>	18 or 16 or 14 or 12 or 10 or 8 or 6 or 4
<b>Processor cache</b>	10MB LLC 15MB LLC 20MB LLC 25MB LLC 30MB LLC 35MB LLC 40MB LLC 45MB LLC
<b>Processor speed</b>	3.0GHz
<b>Form factor (fully configured)</b>	1U
<b>Form factor chassis</b>	Rack
<b>Power supply type</b>	(2) Entry-Level
<b>Expansion slots</b>	(3) Maximum - For detail descriptions reference the QuickSpecs
<b>Memory, maximum</b>	1TB
<b>Memory slots</b>	16 DIMM slots
<b>Memory type</b>	DDR4 SmartMemory
<b>Memory protection features</b>	Advanced ECC Memory Online Spare Mode Memory Mirroring Mode
<b>Drive description</b>	(8) SFF SAS/SATA/SSD (4) LFF SAS/SATA/SSD Hot plug and/or Non-hot plug, depending on model
<b>System fan features</b>	Hot plug redundant optional
<b>Network controller</b>	1Gb 361i Ethernet Adapter 2 Ports per controller and/or Optional FlexibleLOM on riser Depending on model
<b>Storage controller</b>	(1) Dynamic Smart Array B140i or (1) H240 Host Bus Adapter (1) Smart Array P440 Depending on model
<b>Infrastructure management</b>	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials(optional), iLO Scale-Out(optional) iLO Advanced (optional)
<b>Warranty</b>	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: <a href="http://www.hpe.com/services/support">www.hpe.com/services/support</a> . 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 <a href="http://www.hpe.com/services/support">www.hpe.com/services/support</a> .

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**Additional resources****QuickSpecs**[hpe.com/h20195/v2/GetDocument.aspx](http://hpe.com/h20195/v2/GetDocument.aspx)[?docname=c04346224](http://hpe.com/h20195/v2/GetDocument.aspx?docname=c04346224)

## 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](http://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] Based on similar capacity DIMM comparing HPE server vs. non HPE server with DDR4, July 2014.

[2] Please see [www.hp.com/servers/ASHRAE](http://www.hp.com/servers/ASHRAE) for details.

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