

# HP ProLiant DL160 Gen9 Server

Right-size performance, storage for space-constrained environments



## Addresses the business needs of SMBs

### The right balance

The HP ProLiant DL160 Gen9 Server delivers the right balance of performance, storage, reliability, manageability, and efficiency in a compact chassis. This space-conscious server meets the needs of a diverse set of customers—from SMBs to service providers. The DL160 Gen9 Server is designed to handle a wide range of deployments—from general-purpose IT infrastructure to emerging New Style of IT workloads such as cloud and Big Data in distributed computing environments.

Even though budgetary pressures force small- to medium-sized businesses (SMBs) to do more with fewer resources, many companies continue to look for new ways to grow their businesses and remain competitive in today's evolving business environment. To meet those goals, SMBs need an IT infrastructure that's quick to set up and easy to maintain. They also need scalable solutions that can grow right along with their businesses. Ideally, they want "everything IT" converged into a single platform.

SMBs can get what they need with the HP ProLiant DL160 Gen9 Server—a fully integrated platform designed to perform and scale. Offering standard HP Integrated Lights-Out (iLO) capabilities for simplified IT infrastructure management, 16 slots for DDR4 memory, eight drives, and two standard NIC ports, ProLiant DL160 Gen9 Server offers the ideal set of features for meeting SMBs' everyday business needs. And with the DL160 Gen9 Servers' built-in virtualization features, server, and storage utilization increases, and IT infrastructure runs more efficiently at a lower cost. HP ProLiant DL160 Gen9 Server enables SMBs to start small, and scale easily and cost-effectively, as their businesses grow.

## Meets the requirements of service providers

Faced with an ever-growing customer base, service providers need an agile IT infrastructure that scales readily and consumes minimal space and energy. And to support today's mega data-centric trends—Big Data and cloud computing (i.e., the New Style of IT)—service providers need to optimize their IT environments and move to a distributed computing model where servers are deployed as compute nodes, network nodes, and database nodes.

With 16 DIMM slots, 94 percent efficient power supply, ASHRAE A3/A4 compliance (for higher ambient temperature support), dense 2P/1U design, and optional FlexibleLOM capability,<sup>1</sup> the ProLiant DL160 Gen9 Server enables service providers to minimize the operational costs of energy and space—making it a perfect match for today's hyperscale environments.

<sup>1</sup>Feature will be available in November 2014.

## Technical specifications

In the following table, ***bold italic*** text designates a new or improved feature, as compared to the HP ProLiant DL360e Gen8 Server.

	HP ProLiant DL160 Gen9 Server
<b>Compute</b>	Up to 2 Intel® Xeon® <b><i>E5-2600 v3</i></b> Series, 4/6/8/10/ <b>12</b> cores PCIe 3.0, up to 3 available slot(s)
<b>Memory</b>	HP SmartMemory ( <b>16</b> ) DDR4, up to <b>2,133 MHz (512 GB)</b> max at launch), support for NVDIMM (third party)
<b>Storage</b>	<b><i>Standard HP Dynamic Smart Array B140i, optional HP Smart Array Controllers, and HP Smart HBAs via PCIe stand-up cards</i></b>
<b>HP SmartDrives</b>	8 SFF/4 LFF max, HDD/SSD
<b>Networking</b>	<b><i>Embedded 2x 1GbE, optional FlexibleLOM slot on riser<sup>1</sup></i></b>
<b>VGA/USB ports/SD</b>	Rear video, 3x USB 3.0 and 1x USB 2.0 (std), 1x USB 3.0 (opt of SFF models), microSD
<b>On Premise management</b>	<b><i>HP OneView<sup>2</sup> and HP iLO Advanced</i></b>
<b>On Cloud management</b>	HP Insight Online <b><i>with enhanced mobile application</i></b>
<b>On System management</b>	<b><i>HP iLO, HP SUM, Intelligent Provisioning and scripting tools; plus the new UEFI and HP RESTful Interface Tool</i></b>
<b>Power and cooling</b>	Up to 94 percent efficient (Platinum) <b>900 W RPS<sup>1</sup>, 550 W multi-output</b> <b><i>Hot swap fans with optional redundancy</i></b>
<b>Industry compliance</b>	<b><i>ASHRAE A3 and A4, ENERGY STAR<sup>®1</sup></i></b>
<b>Form factor/Chassis depth</b>	Rack (1U), <b>23.9"</b> (SFF), <b>23.9"</b> (LFF)
<b>Serviceability—easy install rails</b>	Standard
<b>Warranty</b>	3/1/1

## HP Services

Let HP help guide you to the New Style of IT. HP Technology Services delivers confidence, reduces risk, and helps you realize greater agility and stability.

- Our **consulting** services provide advice and guidance to safely move your workloads to newer technologies.
- HP 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.
- We recommend HP **Proactive Care** for ProLiant Gen9 servers to prevent issues and resolve problems quickly and efficiently.
- HP **Foundation Care** provides a choice of coverage levels and response times for hardware and software support.
- HP **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.

**QuickSpecs:** [hp.com/servers/DL160gen9/qs](http://hp.com/servers/DL160gen9/qs)

<sup>2</sup>HP OneView support is available for ProLiant Gen9 in DL and BL servers expected later in 2014.



[hp.com/gref/dl160gen9](http://hp.com/gref/dl160gen9)

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