

HP ProLiant DL80 Gen9 Server

Affordable storage and scalability



Affordable storage and I/O expandability for service providers and SMBs

Get ample storage capacity with room for up to 12 LFF HP SmartDrives; up to six PCIe 3.0 riser slots can also support a graphics processing unit (GPU).

Just enough performance for basic IT infrastructure workloads

Improve throughput performance by up to 14 percent with HP DDR4 SmartMemory.¹

Agile infrastructure management for accelerating IT service delivery

Lower management overhead with HP OneView—the software-defined management platform that delivers automation simplicity across servers, storage, and networking.

Addresses the basic IT needs of cost-conscious SMBs

In this continuously evolving digital age, small- to medium-sized businesses (SMBs) need to establish collaboration, consistent data availability, and security for remote employees and partners. This highlights the need for affordable, basic IT infrastructure capabilities to support the operational efficiency that can be a real competitive advantage for SMBs.

The HP ProLiant DL80 Gen9 Server is designed to meet the basic IT requirements of SMBs buying their first server while respecting limited IT resources and budgetary constraints. Its cost-optimized design features ample storage and I/O scalability for sufficient data back-up and accessibility, up to two Intel® Xeon® E5-2600 v3 processors, eight DIMM slots of HP DDR4 SmartMemory and improved ProLiant Gen9 management capabilities to meet your essential performance and manageability requirements.

Affordable design for service provider's storage capacity-intensive workloads

Chances are good that your storage needs are growing exponentially, due to widespread use of photos, videos, email, and emerging trends around Social Media. To stay competitive, service providers need tiered storage with scale-out capabilities for your active and passive data sets.

With support for up to 12 LFF HP SmartDrives, six PCI Express (PCIe) 3.0 slots, up to two Intel Xeon E5-2600 v3 processors, and eight DDR4 DIMM slots, the HP ProLiant DL80 Gen9 Server offers a customizable solution for your data back-up and archive applications and other cold storage requirements. Its cost-optimized and energy-efficient design contains 92 percent 80 PLUS Gold-efficient power supplies, HP Extended Ambient Operating Support (ASHRAE A3 compliance),² and high efficiency processor options, which provide necessary scale-out capabilities. This allows you to easily expand your IT infrastructure as data grows. Improved ProLiant Gen9 manageability innovations—like HP iLO federation, RESTful interface tool, and HP OneView—help you maintain and manage your IT infrastructure efficiently, even at scale.

¹Based on similar capacity DIMM comparing HP server to a non-HP server with DDR4, July 2014.

²See hp.com/servers/ASHRAE for details.

Technical specifications

HP ProLiant DL80 Gen9 Server	
Compute	Up to two Intel Xeon E5-2600 v3 Series; 4/6/8/10/12 cores PCIe 3.0; up to six available slots
Memory	HP SmartMemory (8) DDR4; up to 2,133 MHz (256 GB max)
Storage	HP Dynamic Smart Array B140i, optional HP Smart Array Controllers, and HP Smart host bus adapters (HBAs) via PCIe stand-up cards
HP SmartDrive	12 LFF max, HDD/SSD, M.2 enabled
Networking	2 x 1GbE embedded Ethernet adapter with optional FlexibleLOM slot on riser
VGA/serial/USB/SD ports	One rear VGA or serial, three USB 3.0, one USB 2.0, one microSD, Dual microSD optional
System ROM	UEFI and Legacy BIOS
Converged management	HP OneView with HP iLO Advanced
Support management	HP Insight Online with enhanced mobile application
Embedded management	HP iLO 4, HP Intelligent Provisioning, HP System Update Manager (SUM), HP RESTful Interface Tool, and HP Scripting Tools for Microsoft® Windows Server® PowerShell
Power and cooling	Up to 92 percent efficient (Gold), 550 W multi-output, 800 W RPS/900 W non-RPS
Industry compliance	ASHRAE A3, ² lower idle power
Form factor/Chassis depth	Rack (2U) 23.9" (LFF)
Serviceability—Easy Install rails	Standard
Warranty (parts/labor/onsite)	1/1/1

HP Services

QuickSpecs: hp.com/servers/DL80gen9/qs

Let HP help guide you and your business through the rapidly changing IT landscape. 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.

Learn more at
hp.com/servers/DL80gen9



hp.com/qref/dl80gen9

Sign up for updates
hp.com/go/getupdated



Share with colleagues



Rate this document

© Copyright 2014–2015 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel Xeon is a trademark of Intel Corporation in the U.S. and other countries. Microsoft and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. SD and microSD are trademarks or registered trademarks of SD-3C in the United States, other countries or both.

4AA5-5877ENW, August 2015, Rev. 1

