



HPE ProLiant DL20 Gen9 Server

Compact, versatile, efficient



Is the HPE ProLiant DL20 Gen9 Server right for my business?

- **Small and midsize businesses**—Reduce costs and increase simplicity with preloaded ClearOS so you can spend more time working on your business than on IT.
- **Enterprises**—Tap into performance, data protection, and ease of use that is suitable for small-to-medium workloads in an “install anywhere” compact server at a competitive price point.
- **Tier 2 and 3 service providers**—Scale out quickly and affordably to respond to changing business needs. The rack now provides cheaper drive options for environments requiring an affordable solution that can be easily ripped and replaced.

Finally—a server that’s simple, open, and affordable

When you get a new smartphone or laptop, you expect to be able to start using it right out of the box. Why should your server be any different? HPE is redefining the end-to-end server experience for small and midsize businesses. The HPE ProLiant DL20 Gen9 Server can now come as a ready-to-use appliance—with the HPE qualified ClearOS preloaded at no additional cost—so you can simply plug in your server and have it work right away.

What makes this possible is the simple and easy-to-use ClearOS. Built on Linux®, the reliable and secure ClearOS software lets you manage your server via an intuitive browser-based interface. You also get immediate access to an application marketplace with over 100 (and growing) curated applications that are perfect for small and midsize businesses and service providers. You can install these applications as needed—and because ClearOS applications are also open source—you pay only if you want support, allowing you to plow the savings back into your business.

Data protection, ease of use, reliability, and performance

The ProLiant DL20 Gen9 Server offers data protection features, including optional redundant power supplies, DDR4 memory, enhanced error handling, HPE Smart Array RAID mirroring and striping capabilities, with Flash Backed Write Cache (FBWC) up to 4 GB. FBWC protects data by capturing and holding it indefinitely in the event of a power loss, equipment failure, human error, or virus attacks.

The server also features extreme ease of use, starting with a short-depth chassis for easy deployment and mobility. Embedded HPE Integrated Lights-Out 4 (iLO 4) management provides user-friendly tools for deploying, managing, and troubleshooting servers—ideal for those with limited IT resources. A wide choice of Intel® Pentium®, i3, and Intel® Xeon® E3-1200 v5/v6 processors with up to 64 GB of DDR4 memory helps you handle a variety of workload demands. And the latest ProLiant DL20 Gen9 Servers consume up to 29% less power¹ which, combined with the efficient redundant power supply option,² provides you with an ENERGY STAR® certified power saving solution.

¹ Compared to the previous generation.

² RPS option available only on SFF chassis.

Technical specifications

In the following table, **bold** text in the right-hand column denotes new features as compared to the HPE ProLiant DL320e Gen8 v2 Server.

Component	HPE ProLiant DL20 Gen9 Server
Compute	Choice of: one Intel Xeon E3-1200 v5/v6 series , 4-core; one Intel Pentium, 2-core; or one Intel® Core™ i3, 2-core PCIe 3.0, up to 2 PCIe 3.0 slots
Operating system	ClearOS pre-installed at no extra cost (optional) ³ or various choices of OS (visit the Operating System Support Matrices for details)
Memory	Four DDR4 , up to 2400 MHz (64 GB max)
Storage	HPE Dynamic Smart Array B140i, HPE Smart Array Controller P440 with FBWC, and HPE Smart Host Bus Adapters (HBAs)
HPE SmartDrives	Two LFF non-hot plug and hot plug (SAS/SATA); four SFF hot plug (SAS/SATA)
Networking	Two 1GbE embedded Ethernet adapters and FlexibleLOM to upgrade to 10 Gb
VGA/serial/USB ports/SD	Two rear USB 3.0, two front USB 2.0, one internal USB 3.0
GPU support	One single-width, half-length GPU (optional)
On-premises management	HPE OneView with HPE iLO Advanced
On-cloud management	HPE Insight Online with enhanced mobile application
On-system management	HPE iLO 4, Intelligent Provisioning, Smart Update Manager (SUM), RESTful Interface Tool
Power and cooling	Standard 290W (80 PLUS Silver certified) power supply; HPE 900W AC 240VDC Redundant Power Supply Kit (80 PLUS Gold certified)—optional, for SFF chassis only
Industry compliance	ASHRAE A3, ENERGY STAR (only on RPS configuration models)
Form factor/chassis depth	Rack (1U) 15.05 in. (ear-to-ear)
Warranty (parts/labor/on-site)	1/1/1
System ROM	UEFI and Legacy BIOS

³ Pre-installation of ClearOS is available only on SKUs with HDDs

HPE Services

Let Hewlett Packard Enterprise guide you and your business through the rapidly changing IT landscape. HPE 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.
- 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.
- We recommend HPE Proactive Care for ProLiant Gen9 servers to prevent issues, and resolve problems quickly and efficiently.
- HPE Foundation Care provides a choice of coverage levels and response times for hardware and software support.
- 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
hpe.com/servers/dl20gen9



hpe.com/qref/dl20gen9



Sign up for updates



© Copyright 2015–2017 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise 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. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

ENERGY STAR is a registered mark owned by the U.S. government. Intel, Pentium, Intel Xeon, and Intel Core are trademarks of Intel Corporation in the U.S. and other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. SD is a trademark or registered trademark of SD-3C in the United States and other countries or both. All other third-party trademark(s) is/are property of their respective owner(s).

4AA6-2663ENW, May 2017, Rev. 5