



HPE ProLiant ML110 Gen9 Server

Performance optimized, expandable, and affordable

Performance optimized

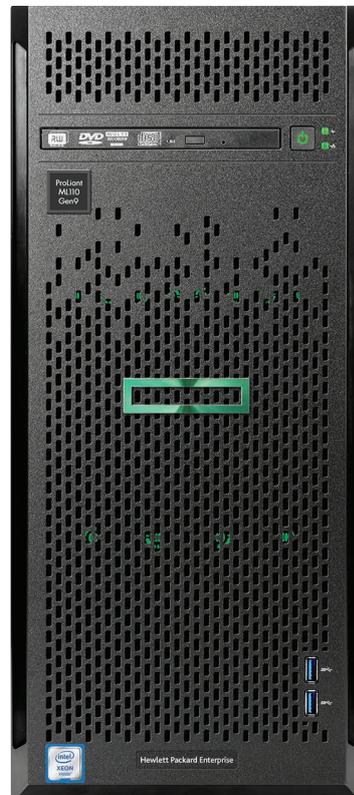
Latest Intel® Xeon® processor E5-2600 v3, Broadwell speed bump will take E5-2600/1600 up to v4, and E5-1600 v3 series improves performance

Expandable

Memory, hard disk drive (HDD), and I/O with easy expansion for growing business needs

Affordable

Cost- and energy-efficient, in a compact, lightweight chassis



Plug and play simplicity for your growing business needs

Today, it's not enough for a server to be affordable, performance-optimized, and expandable. HPE is redefining the server experience so that you can plug and play with HPE ProLiant servers right out of the box, just like you'd expect from a new smartphone or laptop. The HPE ProLiant ML110 Gen9 Server, powered by Intel®, can now come as a ready-to-use appliance, with

the HPE-qualified ClearOS pre-loaded at no additional cost, so you can simply plug in your server and have it working, right away. Built on Linux®, the reliable, secure ClearOS 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 ideal for small to midsize businesses. And because ClearOS applications are also open source, you pay only if you want support, so you can plow the savings back into your business.

When you're ready, you can expand the already robust ProLiant ML110 with HPE Server Options like memory, storage, storage controllers, and networking options to support your growing needs.

The **HPE ProLiant ML110 Gen9 Server** is a small, quiet 4.5U tower with performance and room for expansion at an affordable investment. It offers a single processor, up to 5 PCIe slots, and room to grow with up to 8 large form factor (LFF) or 16 small form factor (SFF) disk drives. It includes 8 DDR4 DIMM slots supporting HPE DDR4 SmartMemory, with a maximum capacity of 256 GB, making this the ideal server for small to midsize businesses and remote or branch offices.

What's new?

- Intel Xeon® processors specifically designed for servers with speeds of up to 3.5 Ghz and up to 14 cores
- Includes 5 PCIe slots, 8 large form factor (LFF) or 16 small form factor (SFF) disk drives, and 8 DDR4 DIMMs for growing business needs
- Energy efficiency with ASHRAE A3 Compliance
- Ideal for office environments with a chassis depth of less than 19 inches and weighing under 25 kg

Key features and benefits

Right-sized, delivering better performance at an affordable price

- Meets the demands of small to midsize businesses with a compact form factor—less than a 19-inch depth—quiet operation, an affordable price point, and right-fit performance.
- Supports one Intel Xeon processor operating with speeds up to 3.5 GHz and up to 14 cores for improved performance over previous generations.
- Includes an embedded SATA HPE Dynamic Smart Array Controller B140i for both boot and data.
- Supports optional HPE Smart Array Controllers to increase disk drive performance and data availability with 12 Gbps SAS technology or HPE Smart Host Bus Adapters with reliable, high-performance SAS connectivity capable of running in HBA or simple RAID mode.

Memory, HDD, and I/O expansion for growing business needs

- Offers up to 8 DIMM slots with support for up to 256 GB of HPE DDR4 SmartMemory, helping prevent data loss and downtime with enhanced error handling while improving workload performance and power efficiency.
- Supports up to 8 large form factor (LFF) or 16 small form factor (SFF) HPE SmartDrives, delivering optimal performance, capacity, and reliability to meet various workload requirements at the right economics.
- Supports solid-state drive (SSD) options for even higher performance.
- Provides the flexibility of networking bandwidth and fabric with two embedded 1GbE adapters and up to 5 PCIe slots, so you can adapt and grow to changing business needs.

Optimized compute for physical and virtual workloads and apps

- Provides flexible expansion capacity with 5 PCIe expansion slots, 8 USB ports, and a redundant power supply option.
- Boosts performance in graphic and virtual desktop infrastructure (VDI) applications for financial services, education, scientific research, and medical imaging applications with support for optional NVIDIA® Quadro GPUs.
- Reduces cooling expenses with the ASHRAE A3 improved ambient temperature standard.¹

Agile infrastructure management with essential simplicity and automation

- Offers essential management for controlling, provisioning, and optimization of HPE ProLiant servers via HPE Insight Control.
- Provides a personalized, online dashboard for converged infrastructure health monitoring and support management with HPE Insight Online.
- Allows you to configure in Unified Extensible Firmware Interface (UEFI) boot mode, provision locally and remotely with HPE Intelligent Provisioning, HPE Scripting Toolkit, or HPE RESTful Interface Tool.

¹ Please see [QuickSpecs](#) for further information.

- Helps you optimize firmware and driver updates and reduce downtime with HPE Smart Update, consisting of HPE Smart Update Manager (SUM) and HPE Service Pack for ProLiant (SPP) tools.
- Includes embedded management to deploy, monitor, and support your server remotely, out-of-band with HPE Integrated Lights-Out (iLO).

Technical specifications

In the following table, **bold** text in the right-hand column denotes new features, as compared to the HPE ProLiant ML310e Gen8 v2 Server.

Choose from a range of HPE Server Options such as memory, storage, networking, power supplies, and rack and power infrastructure to create the right configuration at the right price. hpe.com/info/serveroptions

HPE ProLiant ML110 Gen9 Server	
Compute	One Intel Xeon Processor E5-2600 v3 and E5-2600 v4 , and up to 14 cores E5-1600 v3 and E5-1600 v4 , 4/6/8 cores, PCIe 3.0, up to five available slots
Operating system	ClearOS pre-installed at no extra cost (optional) , ² or other choices of supported OS (visit the OS support matrix for details)
Memory	8 HPE DDR4 Smart Memory up to 2400 MT/s (256 GB max)
Storage	Standard HPE Dynamic Smart Array B140i Controller, optional HPE Smart Array Controllers, and HPE Smart Host Bus Adapters (HBAs) via PCIe stand-up cards
Storage Drive Bays	16 SFF/8 LFF max, HDD/SSD
Networking	2x1GbE
VGA/serial/USB ports/SD	One VGA, eight USB, one microSD
GPU support	NVIDIA Quadro K2200 or NVIDIA Quadro M2000 (optional)
Infrastructure management	HPE Systems Insight Manager (SIM), HPE Insight Control
Support management	HPE Insight Online with mobile app
Embedded management	HPE iLO 4 (optional HPE iLO Essentials), HPE SUM, HPE Intelligent Provisioning, UEFI
Power and cooling	Up to 92% efficiency (Gold), 350 W/550 W single, 750W RPS
Industry Compliance	ASHRAE A3
Chassis depth	Tower 4.5U <19 inches
Warranty (parts/labor/on-site)	3/1/1

² Pre-loading of ClearOS operating system is available only on SKUs with HDDs

Data sheet

Optimize your IT investment strategy with new ways to acquire, pay for, and use technology in lock-step with your business and transformation goals.

hpe.com/solutions/hpefinancialservices

Resources

HPE ProLiant ML110 product page
hpe.com/servers/ML110Gen9

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.

The HPE ProLiant ML110 Gen9 Server has a 3/1/1 server warranty including three years of parts, one year of labor, and one year of on-site support coverage.

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: hpe.com/support

Learn more at
hpe.com/servers/ML110Gen9



hpe.com/qref/ml110gen9



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