

HPE ProLiant ML110 Gen9 Server

Performance optimized, expandable and affordable tower server designed to meet SMB compute demands

Performance optimized

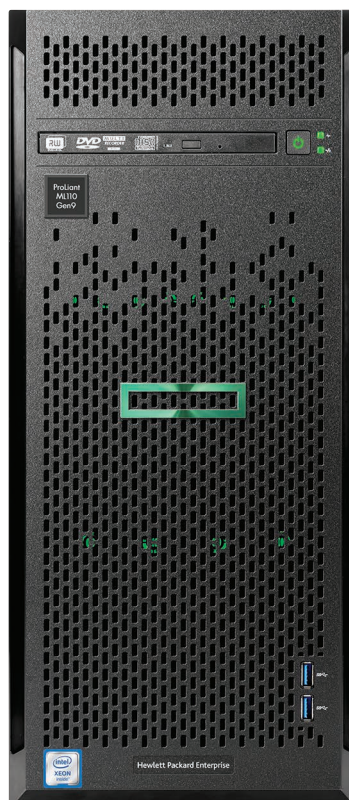
Latest Intel® Xeon® Processor E5-2600 v3, Broadwell speed bump will take E5-2600/1600 up to v4, and E5-1600 v3 Series improves performance

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



Right-sized, optimized compute for your growing business needs

Are you searching for a performance-optimized, expandable server that is affordable and meets the compute needs of your small- to medium-sized business (SMB)?

HPE ProLiant ML110 Gen9 Server is a small, quiet tower with performance and room for expansion at an affordable investment to meet SMBs' growing compute demands. The ProLiant ML110 Gen9 Server has a single processor and is a 4.5U tower, including up to five PCIe slots. It has room to grow with up to eight large form factor (LFF) or 16 small form factor (SFF) disk drives. It includes eight DDR4 DIMM slots supporting HPE DDR4 SmartMemory, with a maximum capacity of 256 GB, making this the ideal server for SMBs and remote or branch offices.

What's new?

- Latest Intel Xeon Processor E5-2600 v3, Broadwell speed bump will take E5-2600/1600 up to v4, and E5-1600 v3 Series
- Expanded to include five PCIe slots, eight LFF or 16 SFF disk drives, and eight DDR4 DIMMS with up to 23% greater performance for growing business needs
- Energy efficiency with ASHRAE A3 compliance
- Ideal for office environments in a quiet, compact chassis with a depth of less than 19 inches and weighing under 25 kilograms

Key features and benefits

Right-sized, delivering better performance at an affordable price

- HPE ProLiant ML110 Gen9 Server is compact with less than a 19-inch depth, quiet, affordable, and delivers the performance needed for the compute demands of a growing office.
- It includes one Intel Xeon E5-2600 v3, Broadwell speed bump will take E5-2600/1600 up to v4, or E5-1600 v3 processor with up to 14 cores offering improved performance.
- Embedded SATA HPE Dynamic Smart Array B140i Controller for boot and data.
- Optional HPE Smart Array Controllers increase disk drive performance, data availability with the 12 Gbps SAS technology or HPE Smart Host Bus Adapters (HBAs) with reliable, high-performance SAS connectivity capable of running HBA mode or simple RAID mode.

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

- HPE ProLiant ML110 Gen9 Server offers up to eight DIMM slots with support for up to 256 GB of HPE DDR4 SmartMemory, and up to 23% greater performance helping to prevent data loss and downtime with enhanced error handling while improving workload performance and power 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 8LFF or 16LFF disk drives.
- For even higher performance disk drives, you can install solid-state storage options.
- Embedded with a 2x1 GbE adapter and up to five PCIe slots, it provides you with the flexibility of networking bandwidth and fabric, so you can adapt and grow to changing business needs.

Optimized compute for SMB physical and virtual workloads and app

- HPE ProLiant ML110 Gen9 Server provides flexible expansion capacity with five PCIe expansion slots, eight USB ports, and a redundant power supply option.
- A single wide general-purpose graphics processing unit (GPGPU) can boost performance in graphic and VDI applications for financial services, education, scientific research, and medical imaging applications.
- Improved ambient temperature standard with ASHRAE A3 reduces cooling expense.

Agile infrastructure management with essential simplicity and automation

- HPE ProLiant ML110 Gen9 Server offers essential management for controlling, provisioning, and optimization of HPE ProLiant servers with HPE Insight Control.
- Personalized, online dashboard for converged infrastructure health monitoring and support management with HPE Insight Online.
- 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.
- 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.
- 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 denotes new features or functions, as compared to the HPE ProLiant ML310e Gen8 v2 Server.

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 , 4/6/8/10 cores, PCIe 3.0, up to 5 available slots
Memory	HPE DDR4 SmartMemory (8) DDR4 up to 2400 MHz (256 GB max)
Storage	Standard HPE Dynamic Smart Array B140i Controller, optional HPE Smart Array Controllers , and HPE Smart HBAs via PCIe stand-up cards
HPE Smart Drives	16 SFF/8LFF max., hard disk drive (HDD)/solid-state drive (SSD)
Networking	2x1 GbE embedded
VGA/serial/USB ports/SD	1 VGA, 0 serial, 8 USB, 1 microSD
GPU support	One double-wide GPU card support
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 & cooling	Up to 92% efficiency (Gold), 350 W/550 W single, 750W RPS
Industry compliance	ASHRAE A3
Form factor/chassis depth	Tower 4.5U < 19 in.
Warranty	3/1/1

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.

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Gain the skills you need with ExpertOne training and certification from HPE. With (HPE ProLiant, HPE Integrity, or HPE NonStop) training, you will accelerate your technology transition, improve operational performance, and get the best return on your HPE investment. Our training is available when and where you need it, through flexible delivery options and a global training capability.

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Resources

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

HPE ProLiant ML110 QuickSpec
hp.com/h20195/v2/gethtml.aspx?docname=c04545452

HPE Services

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

- Our **Consulting** services provide advice and guidance to move your workloads to newer technologies safely.
- HPE Software installation and implementation services enable faster, more reliable startup of your new HPE ProLiant Gen9 servers, and our support portfolio allows you to get connected and get back to business fast.
- We recommend HPE **Proactive Care Services** for ProLiant Gen9 servers to prevent issues and resolve problems quickly and efficiently.
- HPE **Foundation Care Services** provides a choice of coverage levels and response times for hardware and software support.
- HPE **Datacenter Care** enables you to operate and evolve your IT environment at a lower cost and with more agility, including our **HPE 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, any place, 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 onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: h18004.www1.hp.com/products/servers/platforms/warranty/index.html.

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: hp.com/support.

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