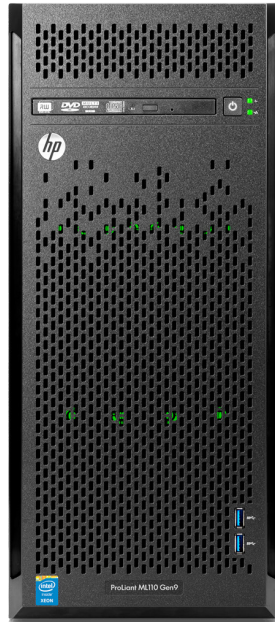# HP ProLiant ML110 Gen9 Server

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

Performance optimized
Latest Intel® Xeon® Processor E5-2600 v3 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)?

HP 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 HP 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 and E5-1600 v3 Series

- Expanded to include five PCIe slots, eight LFF or 16 SFF disk drives, and eight DDR4 DIMMs 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
- HP 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 or E5-1600 v3 processor with up to ten cores offering improved performance.

- Embedded SATA HP Dynamic Smart Array B140i Controller for boot and data.

- Optional HP Smart Array Controllers increase disk drive performance, data availability with the 12 Gbps SAS technology or HP 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
- HP ProLiant ML110 Gen9 Server offers up to eight DIMM slots with support for up to 256 GB of HP DDR4 SmartMemory, helping to prevent data loss and downtime with enhanced error handling while improving workload performance and power efficiency.

- HP SmartDrives continue to deliver optimal performance, capacity, and reliability to meet various customer segments and workload requirements at the right economics. Supports up to eight LFF or 16 SFF disk drives.

- For even higher performance disk drives, you can install solid-state storage options.

- Embedded with a 2x1GbE 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
- HP ProLiant ML110 Gen9 Server provides flexible expansion capacity with five PCIe expansion slots, eight USB ports, and a redundant power supply option.

- A singlewide 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
- HP ProLiant ML110 Gen9 Server offers essential management for controlling, provisioning, and optimization of HP ProLiant servers with HP Insight Control.

- Personalized, online dashboard for converged infrastructure health monitoring and support management with HP Insight Online.

- Configure in Unified Extensible Firmware Interface (UEFI) boot mode, provision locally and remotely with HP Intelligent Provisioning, HP Scripting Toolkit, or HP RESTful Interface Tool.

- Optimize firmware and driver updates, and reduce downtime with HP Smart Update, consisting of HP Smart Update Manager (SUM) and HP Service Pack for ProLiant (SPP) tools.

- Embedded management to deploy, monitor, and support your server remotely, out-of-band with HP Integrated-Lights out (iLO).

Technical specifications

In the following table, *bold italic* **text denotes new features or functions, as compared to the HP ProLiant ML310e Gen8 v2 Server.**

	HP ProLiant ML110 Gen9 Server
Compute	One Intel Xeon Processor ***E5-2600 v3/E5-1600 v3 Series***, 4/6/8/10 cores, PCIe 3.0, up to 5 available slots
Memory	HP DDR4 SmartMemory (***8***) DDR4 up to ***2133*** MHz (***256*** GB max.)
Storage	Standard HP Dynamic Smart Array ***B140i*** Controller, ***optional HP Smart Array Controllers***, and HP Smart HBAs via PCIe stand-up cards
HP Smart Drives	***16 SFF/8 LFF HP***/4 NHP LFF SATA/SAS max, HDD/solid-state drive (SSD)
Networking	2x1GbE embedded
VGA/serial/USB ports/SD	1 VGA, 0 serial, 8 USB, 1 microSD
GPU support	Optional ***(1)*** 150W/SW
Infrastructure management	***HP Systems Insight Manager (SIM), HP Insight Control***
Support management	***HP Insight Online with mobile app***
Embedded management	***HP iLO 4 (optional HP iLO Essentials), HP SUM, HP Intelligent Provisioning, UEFI***
Power & cooling	Up to 92% efficiency (Gold), 350W/550W single, ***750W RPS***
Industry compliance	***ASHRAE A3***
Form factor/chassis depth	Tower 4.5U < 19 in.
Warranty	***3***/1/1

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment. **hp.com/go/hpfinancialservices**

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

Resources

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

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 move your workloads to newer technologies safely.

- HP Software installation and implementation services enable faster, more reliable startup of your new HP ProLiant Gen9 servers, and our support portfolio allows you to get connected and get back to business fast.

- We recommend HP **Proactive Care Services** for ProLiant Gen9 servers to prevent issues and resolve problems quickly and efficiently.

- HP **Foundation Care Services** 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 **HP 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 HP 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 HP 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 HP website at: hp.com/support.

Learn more at
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