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HPE ProLiant ML110 Gen10 Server

DATA SHEET



HPE ProLiant ML110 Gen10 Server

ProLiant ML Servers



What's new

- Supports Intel® Xeon® Scalable processors up to 14 cores and up to 105W.
- Supports up to 8 LFF non-hot plug SATA/SAS hard disk drives.
- Supports up to two graphic processing units (GPUs), including one single-wide and one double-wide.
- Optional support for redundant fans.
- Protect, detect and remove with built-in security features such as Silicon Root of

Overview

Are you searching for a tower server with exceptional value to meet the requirements of your small-to-midsized business? The HPE ProLiant ML110 Gen10 Server is an enhanced tower with performance, expansion, and growth at an affordable price. It meets most small- and mid-sized businesses' needs as well as accelerates your business compute. The HPE ML110 Gen10 Server is a single processor tower form factor that can also be placed in a rack server cabinet using 4.5U of rack space. It includes up to five PCIe slots with room to grow with eight large form factor (LFF) or 16 small form factor (SFF) disk drives. It provides six DDR4 DIMM slots supporting HPE DDR4

Trust, Runtime Firmware Validation and Secure Recovery.

SmartMemory with a maximum capacity of 192 GB. The HPE ML110 Gen10 Server also offers optional redundant fan and redundant power supply to satisfy automatic failover needs, making this the ideal server for small- to mid-sized businesses and remote offices and branch offices.

Features

Right-sized, With the Balance of Performance To Meet Growing SMB Requirements

The HPE ProLiant ML110 Gen10 Server is compact with less than a 19-inch depth, quiet, and affordable that can deliver the performance needed for the compute demands of a growing office small- to mid-sized business.

Supports industry standard technology leveraging the Intel Xeon Scalable Processors operating with speeds of up to 3.6 GHz and up to 14 cores offering improved performance.

Supports up to two optional graphic processing units (GPUs) allowing one double wide and one single wide card to boost performance in graphic and Virtual Desktop Infrastructure (VDI) applications such as financial services, education, scientific research and medical imaging.

The embedded HPE Dynamic Smart Array S100i Controller for SATA disk drives supports boot, data and media needs. These enhanced HPE Smart Array Controllers provide the flexibility to choose the optimal 12 Gbps controller most suited to your environment, as well as operate in both SAS and HBA modes.

Build a fully functional server with ClearOS Software from Hewlett Packard Enterprise that is just right for you at no upfront cost.

Expandability To Fit the Needs of Growing, Budget-conscious Businesses

The HPE ProLiant ML110 Gen10 Server offers up to six DIMM slots with support for up to 192 GB of HPE DDR4 SmartMemory, helping to prevent data loss and downtime with enhanced error handling while improving workload performance and power efficiency.

Support optional redundant fan and redundant power supplies reducing data loss and downtime, making your server more reliable. Flexible expansion capacity with five PCIe expansion slots, eight USB ports and one optional serial port.

HPE SmartDrives delivers enhanced performance, capacity, and reliability to meet various customer segments and workload requirements at the right economics. Support up to eight large form factor (LFF) disk drives or 16 small form factor (SFF) disk drive options.

Security Innovations

The HPE ProLiant ML110 Gen10 Server is part of the Hewlett Packard Enterprise offering of industry-standard servers with major firmware anchored directly into the silicon. With security protection built-in across the server lifecycle starting with Silicon Root of Trust.

Secure Recovery allows server firmware to roll back to the last known reliable state or factory settings after detection of compromised code.

Millions of lines of firmware code run before server operating system boots and with Run-time Firmware Validation, enabled by HPE iLO Advanced Premium Security Edition, the server firmware is checked every 24 hours verifying validity and credibility of essential system firmware.

Industry-Leading Services and Ease of Deployment

The HPE ProLiant ML110 Gen10 Server comes with a complete set of services from HPE Pointnext, delivering confidence, reducing risk, and helping you realize agility and stability.

HPE Pointnext Services simplifies all stages of the IT journey. Advisory and Transformation Services professionals understand customer challenges and design an enhanced solution. Professional Services enables rapid deployment of solutions and Operational Services provides ongoing support.

Services provided under Operational Services include: HPE Flexible Capacity, HPE Datacenter Care, HPE Infrastructure Automation, HPE Campus Care, HPE Proactive Services and multi-vendor coverage.

HPE IT investment solutions help you transform to a digital business with IT economics that align to your business goals.

Technical specifications

HPE ProLiant ML110 Gen10 Server

Processor family	Intel® Xeon® Scalable 5100 series Intel® Xeon® Scalable 4100 series Intel® Xeon® Scalable 3100 series
Processor core available	14 or 8 or 6 or 4
Processor cache	8.25 MB L3 11.00 MB L3 16.50 MB L3 19.25MB L3
Processor speed	3.6 GHz, maximum
Power supply type	1 HPE ML110 Gen10 350W ATX FIO Power Supply Kit 1 HPE ML110 Gen10 550W ATX Power Supply Kit 1 HPE 800W Flex Slot Platinum hot plug power supply kit
Expansion slots	5 PCIe 3.0, for detailed descriptions reference the QuickSpecs
Maximum memory	192 GB
Memory slots	6 DIMM slots
Memory type	HPE DDR4 SmartMemory HPE DDR4 Standard Memory
Included hard drives	None Ship Standard, 8 LFF drives or 16 SFF drives supported
Optical drive type	Optional SATA 9.5mm DVD-ROM Optical Drive Optional SATA 9.5mm DVD RW Optical Drive
System fan features	2-single rotor fans
Network controller	HPE Ethernet 1Gb 2-port 368i Adapter
Storage controller	HPE Smart Array S100i SR Gen10 SW RAID
Minimum dimensions (W x D x H)	44 x 19.5 x 48.05 cm
Weight	Minimum: 13.5 kg Maximum: 25.0 kg
Infrastructure management	Included: HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional: HPE iLO Advanced, HPE iLO Advanced Premium Security Edition
Warranty	3/3/3 - Server Warranty includes three years of parts, three year of labor, three year of onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: http://h20564.www2.hp.com/hpsc/wc/public/home . 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 http://www.hp.com/support

Additional resources

QuickSpecs

[hpe.com/h20195/v2/GetDocument.aspx?](http://hpe.com/h20195/v2/GetDocument.aspx?docname=a00021851enus)

[docname=a00021851enus](http://hpe.com/h20195/v2/GetDocument.aspx?docname=a00021851enus)

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help evolve and grow today and into the future.

Operational Services

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.

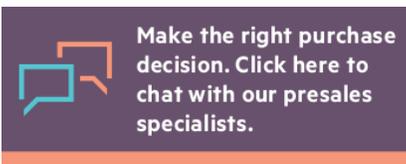
Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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