HP ProLiant ML350e Gen8 Server

Essential performance with room to grow

Growing businesses, especially those with remote or branch offices, face the challenge of meeting today's technology requirements while allowing for future demands. Ensuring infrastructure investments are cost-effective and future-proof is essential. Businesses need the flexibility to minimize upfront investment with the option for low-cost expansion in compute power, memory, and storage at a later date. They also need to reduce the overall complexity of server deployment and management.

The HP ProLiant ML350e Gen8 Server is designed for growing businesses looking for an expandable standalone tower server with enterprise-level performance and system management. With enhanced performance, storage, serviceability, and management capabilities, the ML 350e Gen8 is a perfect match for customers looking for great value and essential features.

The HP ProLiant ML350e Gen8 is a dual-processor tower platform built on the latest Intel® Xeon® E5-2400 processors. This unique architecture, as well as flexible deployment options, allows businesses to scale as needed so they can optimize their IT dollars. The HP ProLiant ML350e Gen8 delivers the industry's most powerful embedded management technology with HP integrated Lights-Out 4 (iLO4), which allows businesses to manage the servers anytime and from anywhere.

The all-new HP ProLiant ML350e Gen8 server is purpose-built to:

• Deliver essential performance and allow for low-cost expansion

• Reduce overall complexity of server deployment and management

• Lower overall cost of ownership

• Deliver peace of mind with enhanced reliability, quick serviceability, and industry-leading manageability

What's new

The HP ProLiant ML350e Gen8 Server is built to protect your investment and extend server life with reliability, accessibility, and serviceability features designed in. New Generation 8 features include:

- Up to two Intel Xeon E5-2400 series processors, which automatically regulate power consumption and intelligently adjust server performance, resulting in maximized efficiency and performance
- Up to 192 GB of HP SmartMemory to deliver as much as 35% in uptime improvement
- New Smart Storage family of controllers and drives for improved serviceability
- HP Smart Drive carrier to prevent data loss by alerting administrators which drives are safe to remove
- Maximum storage with support for up to 18 LFF or 24 SFF drives for enhanced storage flexibility and expandability
- New HP iLO Management Engine (iLO 4) to enable a lifecycle approach to managing your server, from initial deployment, to daily management, service alerting, and remote support
- High-efficiency with 5% improvement in system power efficiency when configured with a 94% efficient Common Slot Platinum power supply
- More deployment options with six PCIe slots and 10 USB ports

Key features and benefits

Deliver essential performance and allow for low-cost expansion

Designed with best-in-class availability features, you can count on the HP ProLiant ML350e Gen8 to stay up and running 24x7. Add memory, storage, and/or a second processor when the time is right.

- Unprecedented performance with the latest Intel Xeon E5-2400 processor and integrated DDR3 memory architecture that supports both registered and unbuffered memory. HP SmartMemory delivers unmatched performance, quality, and manageability.
- Flexible design provides low-cost expansion capabilities as your business grows, allowing you to add a second processor, additional hard drives, more memory, and more storage.

Reduce overall complexity of server deployment and management

Eliminate tedious, time-consuming tasks with industry-leading management tools.

- HP iLO simplifies server setup and enables remote management.
- HP Agentless Management provides for built-in monitoring and altering capability from the moment the server is turned on.
- The HP Active Health System provides 24x7 continuous health monitoring, 100% configuration change logging, and faster problem analysis and resolution with HP Service and Support. Start problem analysis 5x faster using unified diagnostic tools with secure data transfer to HP Service and Support.
- HP Intelligent Provisioning offers out-of-the-box single-server deployment and configuration without the need for physical media.

Lower overall cost of ownership

Free up valuable IT resources and reduce technology costs.

- With embedded remote management technology, on-site server administration expenses are reduced and travel costs are eliminated.
- The high efficiency redundant power supplies and fans lower power consumption and reduce operational costs on a daily basis.
- ENERGY STAR® qualified server configurations illustrate HP's continued commitment to helping customers conserve energy and save money.

Figure 1
Options and differences among Entry, Base, and Performance Models

Entry Models	Base Models	Performance Models
• Non-hot plug LFF SATA model	• Hot plug LFF SATA model	• Hot plug LFF SAS/SATA model
• 1 Intel Xeon Processor (80W)	• 1 Intel Xeon Processor (80W)	• 1 Intel Xeon Processor (95W)
• 2G DDR3 UDIMM memory	• 4G DDR3 UDIMM memory	• 8G DDR3 UDIMM memory
• 6 PCIe slots	• 6 PCIe slots	• 6 PCIe slots
• 4 LFF HDD bays	• 4 LFF HDD bays	• 6 LFF HDD bays
• 1x500 GB NHP SATA HDD	• No HDD	• No HDD
• B120i/ZM	• B120i/512 MB FBWC	• P420/1 GB FBWC
• 1x460W power supply (NHP, non-redundant)	• 1x460W power supply (NHP, non-redundant)	• 1x460W power supply (NHP, non-redundant)
• DVD ROM	• DVD ROM	• DVD ROM
• 2x NHP, non-redundant fans	• 2x NHP, non-redundant fans	• 2x NHP, non-redundant fans
• Embedded Ethernet 1G	• Embedded Ethernet 1G	• Embedded Ethernet 1G

HP ProLiant ML350e Gen8 Server specifications

Processor	Intel Xeon E5-2400 family
Chipset	Intel C600 Series
Processor number	1 or 2
Processor core available	4/6/8
Processor speed	1.8–2.4 GHz
Processor cache	20 MB L3 15 MB L3 10 MB L3
Memory slots	12 DIMM slots (6 memory slots per socket)
Memory maximum	192 GB
Memory type	DDR3 (registered and unbuffered)
Memory protection features	Advanced ECC, online spare, lock-step mode
Internal storage	Up to 18 LFF or 24 SFF drives – HDD/SSD
Max internal storage	54 TB
Storage controllers	HP Smart Array B120i controller HP Smart Array P222 controller HP Smart Array P420 controller HP Smart Array P421 controller HP Smart Array P822 controller
Network controller	HP Ethernet 1 Gb 2-port 361i Adapter
Expansion slots	6 PCIe 4 PCIe Gen3 Slots and 2 PCIe Gen2 slot
Remote management software	iLO Management Engine, Insight Control (optional)
System fans features	2 non-hot plug non-redundant fans ship standard (support up to 4 fans)
Power supply type	460W/750W (with 92% gold or 94% platinum plus efficiency)
Full configuration form factor	5U tower
Warranty Standard Statement	3-year parts, 1-year labor, 1-year onsite
Warranty (parts-labor-onsite)	3/1/1

QuickSpecs:

http://h18000.www1.hp.com/products/quickspecs/14340_div/14340_div.html

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Ideal environment

If your growing business needs to meet everyday computing needs, even across remote and branch offices with minimal IT staff, then you'll want to invest in a workhorse server that can be cost-effectively expanded in the future. The HP ProLiant ML350e Gen8 offers enterprise-class performance with the configuration flexibility to add compute power, storage, and memory as the business grows. As part of the HP Generation 8 server line, the ML350e delivers performance/price, efficiency, and expandability.

For more information

For more information, visit **hp.com/servers/ml350e-gen8**.

HP Services

When technology works, business works.

When you buy HP ProLiant Options for your HP ProLiant servers, it is also a good time to think about services.

Recommended HP Care Pack Services

• 3-Year HP 24x7 4-hour Response, Hardware Support Onsite Service OR 3-Year HP 24x7 4 hour Response, HP Collaborative Support

• HP ProLiant Server Hardware Installation Service

Related HP Care Pack Services

• 3-Year HP 24x7 4 hour Response, Proactive Care OR 3-Year HP 6-hour Onsite Call-to-Repair, HP Collaborative Support

• HP Proactive Select Service

All support services come with Insight Remote Support, providing 24x7 remote monitoring, proactive notifications, and problem resolution.

Coverage: For ProLiant servers, Care Pack Services provide cover for HP-branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as external monitors up to 22 inches diagonal and tower UPS products; these items will be covered at the same service level and for the same coverage period as the server unless the maximum supported lifetime and/or the maximum usage limitation has been exceeded. Coverage of UPS battery is not included; standard warranty terms and conditions apply.

For more information, visit **hp.com/services/proliant hp.com/services/bladesystem**.

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