

# HP ProLiant ML310e Gen8 v2 Server



Full featured 1P tower with enterprise class manageability

## Product overview

The HP ProLiant ML310e Gen8 v2 Server is the newest addition to the ProLiant Gen8 portfolio. It's powered by the latest Intel® Xeon®, Intel® Core™ i3, and Pentium® processors, giving you great compute power in a 1P tower model. Plus, these innovative machines include a wide range of the embedded automation and intelligent management features that make ProLiant Gen8 models the world's most self-sufficient servers.

This HP ProLiant ML310e Gen8 v2 Server is ideal for small- to medium-sized businesses (SMBs) and corporate businesses with remote or branch offices. Incorporating key HP technologies from the HP ProActive Insight architecture, the ML310e Gen8 v2 provides innovations in memory, server management, and firmware management.

**Figure 1.** HP ProLiant ML310e Gen8 v2 Server: full featured 1P tower with enterprise class manageability



**HP ProLiant ML310e Gen8 v2 8 SFF model with locking bezel**



**HP ProLiant ML310e Gen8 v2 4 hot-plug LFF model**

## Standout performance

The ProLiant ML310e Gen8 v2 Server has huge performance headroom. It's the perfect choice for SMBs, remote sites, and corporate branch offices running file/print, Web messaging, and small vertical applications or databases with features that include:

- Processors: supports Intel Xeon E3-1200 v3, Intel Core i3, and Pentium series processors
- Memory: includes up to 32 GB of 1600 MHz DDR3 memory for superior system performance
- I/O: four PCI Express slots, including two Gen3 slots, give higher I/O performance
- HP Smart Storage: turbocharges data-intensive application performance to accelerate workloads
- Stackable switch option: is compatible with the HP 1810 switch series extending the benefits of HP Converged Infrastructure for seamless network connectivity

The ProLiant ML310e Gen8 v2 Server is available in three different model configurations: entry, base, and performance.

**Table 1.** Comparing BTO models of ProLiant ML310e Gen8 v2 Servers

Feature	Entry model	Base model	Performance model
ENERGY STAR <sup>1</sup>	N/A	N/A	Yes
Processor model	Intel Core i3-4150	Intel Xeon E3-1220 v3	Intel Xeon E3-1241 v3
Processor (up to 1)	3.5 GHz/54 W	3.1 GHz/80 W	3.5 GHz/80 W
Processor cores	2	4	4
Memory	2 GB	4 GB	8 GB
Drive cage	4 Non-hot-plug LFF drive cage	4 Hot-plug LFF drive cage	4 Hot-plug LFF drive cage
Hard drive	N/A	N/A	500 GB 6G SATA
Power supply (1+1 redundant)	350 W ATX	350 W ATX	460 W with RPS enablement kit
DVD-ROM or DVD-RW	N/A	DVD-RW	DVD-RW

## Stress-free management

We've packed the HP ProLiant ML310e Gen8 v2 Server with user-inspired features that simplify management and allow you to focus on business issues instead of IT.

- Agentless HP Integrated Lights-Out 4 (iLO 4) embedded management: manages servers remotely, facilitating manageability and reducing costs.
- HP SmartUpdate reduces deployment time and update complexity by systematically updating server infrastructure in the data center; HP Intelligent Provisioning eliminates manual steps, enabling faster deployment and configuration.
- HP Insight Online with HP Insight Remote Support provides 24x7 remote monitoring and anywhere, anytime personalized access to your IT and support status.

## Uncompromising uptime

For less downtime and easier maintenance, this server includes innovations such as automatic and proactive repair that jump-start business productivity and speed problem resolution with features like:

- Tool-free access to customer-serviceable components: means faster repairs.
- HP SmartMemory prevents data loss and downtime with enhanced error handling while improving workload performance and power efficiency.
- Optional hot-plug and redundant power supplies: provide enhanced dependability and assurance.
- Smart Array options provide businesses RAID mirroring and striping capability to protect critical data while flash-backed write cache (FBWC) captures and holds data indefinitely in the event of a power loss, equipment failure, human error, or virus attacks.
- HP SmartDrive: predicts drive failure and proactively rebuilds from a spare, delivering continuous data protection.
- Dedicated iLO port ensures secured and faster data transmission. ECC memory protects businesses from data loss and unplanned system downtime.

**Figure 2.** HP ProLiant ML310e Gen8 v2 Server: flexible configurations and easy serviceability, with tool-less access to all customer-serviceable system components



<sup>1</sup> The HP ProLiant ML310e Gen8 v2 Server offers high ENERGY STAR ratings (as high as up to 92 percent Gold level, in terms of power and cooling) in one of the industry's most energy-efficient x86 server portfolios.

## Unfettered flexibility

Configure the server to meet the needs of your growing business with these features:

- Micro ATX tower chassis: makes hardware configuration changes simple and flexible.
- Multiple configuration options: a variety of hard drives, power supplies, and drive cages provide you with the flexibility to tailor the server for your specific application requirements.
- HDD capacity: supports up to 16 TB of internal storage and up to eight SFF or four LFF configurations, providing plenty of room for your business to grow.

## Technical specifications of the HP ProLiant ML310e Gen8 v2 Server

<b>Drive description</b>	4 Non-hot-plug LFF SAS/SATA 4 Hot-plug LFF SAS/SATA/SSD 8 Hot-plug SFF SAS/SATA/SSD
<b>Supported drives</b>	Non-hot-plug 3.5-inch SATA Non-hot-plug 3.5-inch SAS Hot-plug 3.5-inch SAS Hot-plug 3.5-inch SATA Hot-plug 2.5-inch SAS Hot-plug 2.5-inch SATA Hot-plug 3.5-inch SATA SSD Hot-plug 2.5-inch SAS SSD
<b>Processor cache</b>	8 MB L3, 3 MB L3
<b>Processor family</b>	Intel Xeon E3-1200 v3 product family, Intel Core i3, and Pentium
<b>Number of processors</b>	1
<b>Processor cores available</b>	4
<b>Maximum processor speed</b>	3.6 GHz
<b>Memory slots</b>	4 DIMM slots
<b>Memory max</b>	32 GB
<b>Memory type</b>	PC3-12800E UDIMMs DDR3
<b>Memory protection features</b>	Unbuffered, ECC
<b>Network controller</b>	1 HP Ethernet 1Gb 2-port 332i Ethernet Adapter
<b>Storage controllers</b>	1 HP Smart Array B120i SATA RAID
<b>Expansion slots</b>	4
<b>Management</b>	HP iLO 4 Management Engine, HP Insight Control
<b>Form factor chassis</b>	Tower
<b>System fans features</b>	2 system fans ship standard; non-hot-plug, non-redundant
<b>Power supply type</b>	Redundancy optional
<b>OS support</b>	<a href="http://hp.com/go/ossupport">hp.com/go/ossupport</a>
<b>Warranty standard statement</b>	Global limited warranty
<b>Warranty (parts-labor-onsite)</b>	1-year parts, 1-year labor, 1-year onsite (worldwide) 3-year parts, 1-year labor, 1-year onsite (Brazil)
<b>QuickSpecs URL</b>	<a href="http://h18000.www1.hp.com/products/quickspecs/14339_na/14339_na.pdf">h18000.www1.hp.com/products/quickspecs/14339_na/14339_na.pdf</a>

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment.

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HP Factory Express provides customization and deployment services along with your storage and server purchases. You can customize hardware to your exact specifications in the factory—helping speed deployment. [hp.com/go/factoryexpress](http://hp.com/go/factoryexpress)

Gain the skills you need with ExpertOne training and certification from HP. With HP ProLiant 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](http://hp.com/learn/proliant)

## HP Qualified Options

For a comprehensive list of all HP supported options, refer to the [HP ProLiant ML310e Gen8 v2 QuickSpecs](#).

## HP Services

HP Technology Services offers a set of consultancy, deployment, and support solutions designed to meet the lifecycle needs of your IT environments.

- HP Foundation Care: scalable support packages for HP industry-standard servers and software
- HP Collaborative Support: a single point of contact for server problem diagnosis, hardware problem resolution, and basic software problem diagnosis, fault isolation, and resolution if available to HP
- HP Proactive Care or Critical Advantage: higher levels of application availability for business-critical environments through proactive service management

All service options include HP Insight Remote Support software, plus access to the HP Support Center facility for the information, tools, and experts to support your HP business products.

For more information, visit [hp.com/services/proliant](http://hp.com/services/proliant).

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