



# HP ProLiant ML350p Gen8 Server series

Proven performance with maximum expandability and availability



To keep pace with the demands of your fast-moving business, you need highly reliable servers designed for performance, expandability, and availability. To contain IT costs, you need servers that help you improve operational efficiencies for your virtualized and non-virtualized environments. You'll find all this and more in the latest HP ProLiant ML350p Gen8 Server series.

### **Empower your business with the latest server technology**

The HP ProLiant ML350p Gen8 Server series comes with a winning combination of increased availability, scalability, and serviceability. A high-performing tower and expansion rack server, the ProLiant ML350p Gen8 Server is ideal for your growing business, enterprise data centers, and remote branch offices.

The server is designed with the latest processor architecture from Intel® with dual QuickPath Interconnect (QPI) technology and latest security features supporting up to 12 processing cores. It features a DDR3 memory architecture that supports up to DDR3-1866 MHz memory, and offers highly reliable, versatile, and affordable serial-attached SCSI (SAS) and Serial ATA (SATA) storage options. The server also comes with integrated quad gigabit Ethernet that provides increased network throughput and redundancy.

This Gen8 server incorporates key HP technologies, including HP Smart Update Manager, HP SmartMemory, and HP SmartStorage, which fortify it with excellent memory, server and firmware management, and server storage. Also included is the HP Integrated Lights-Out (iLO) Management Engine version 4, as part of the new embedded HP ProActive Insight architecture, for faster deployment, better management, Always-On Active Health System, and instant uptime tools.

Available in a 5U rack form factor, as well as a tower model, the ML350p Gen8 server is the largest ProLiant 2P rack server. Better still, the server comes with built-in ProLiant features like Systems Insight Display (SID) and HP Location Services, making it an ideal choice for your data centers.

## What's new?

- Increased performance over the previous generation at the same or lower power levels with the new Intel® Xeon® E5-2600 v2 processors
- Next-generation cloud-enabled HP System Insight Manager (SIM)
- Extensive choice and expandability with HP Qualified Options, including new memory with up to 1866 MHz, increased storage with the latest 4 TB HP SmartDrives, and the newest HP Smart Array controllers
- Increased performance with support for graphics processing units (GPUs), which are ideal for graphic and VDI applications in financial services, education, scientific research, and medical imaging

HP ProLiant ML350p Gen8 Server with improved serviceability, better server management, and increased flexibility.

[Watch the demo to learn more.](#)



## Key features and benefits

In addition to its best-in-class performance, the ProLiant ML350p Gen8 Server is designed for efficiency, adaptability, and availability. You can trust this highly reliable server to continue supporting your business in the event of a power failure or a disk or memory error—thanks to its options for redundant power and fans along with RAID and memory protection features.

Here are some of the key features in the ProLiant ML350p Gen8 Server that can drive your business forward:

### Why the ProLiant ML350p Gen8 Server is better than its predecessor

Features	ProLiant ML350 G6 Server	ProLiant ML350p Gen8 Server
<b>Processor</b>	Intel Xeon 5500/5600, 2, 4, or 6 cores	Intel Xeon E5-2600/-2600 v2, 2, 4, 6, 8, 10, or 12 cores
<b>Memory</b>	18 DDR3, up to 1333 MHz (288 GB max)	24 DDR3, up to 1866 MHz (768 GB max)
<b>Storage</b>	HP Smart Array P410i; Maximum 8 LFF HDD or 16 SFF HDD	HP Smart Array P420i; Maximum 18 LFF HDD or 24 SFF HDD
<b>Networking</b>	2x1 GbE	4x1 GbE
<b>Management</b>	HP iLO 2	HP iLO Management Engine (iLO 4)

### Integrated HP Smart Array RAID controller

Facilitates secure and faster access to data with its support for HP SmartStorage, PCI Express (PCIe) 3.0, HP SmartDrives, and HP Flash-Backed Write Cache (FBWC) with capacity up to 2 GB.

### HP iLO Management Engine (iLO 4)

Provides a lifecycle approach to deploying and managing the server, and automatically regulates power consumption and server performance.

### HP Smart Update Manager

Enables firmware and software updates with dramatically reduced downtime.

### HP SmartDrive technology

Improves serviceability with features such as icon-based status display and Do Not Remove LED.

### HP SmartStorage

Provides workload-aware intelligence for real-time application tuning and acceleration to enhance system performance.

### HP Smart Socket guide

Allows you to confidently add or upgrade processors without the fear of bending pins, which leads to motherboard failure and replacement.

### HP Location Services

Enables each server to identify the rack it is in and the precise location of each server. Server location information in HP Systems Insight Manager (SIM) and HP Insight Control can be auto populated, saving your server administrators from doing the work manually.

**HP Active Health System**

Speeds up resolving issues with drives, which lowers the risk of downtime for your business.

**ENERGY STAR® certified**

Helps your business conserve energy and save money. The ENERGY STAR program is qualified by the U.S. Environmental Protection Agency.

**Technical specifications**

<b>ProLiant ML350p Gen8 Server</b>	<b>Drive description</b>	24 SFF SAS/SATA 18 LFF SAS/SATA
	<b>Supported drives</b>	Hot plug SFF 2.5-inch SAS Hot plug SFF 2.5-inch SATA Hot plug LFF 3.5-inch SAS Hot plug LFF 3.5-inch SATA
<b>Processor and memory</b>	<b>Processor cache</b>	30 MB L3 25 MB L3 20 MB L3 15 MB L3 10 MB L3 5 MB L3
	<b>Processor family</b>	Intel Xeon E5-2600/-2600 v2 families
	<b>Processor number</b>	1 or 2
	<b>Processor cores available</b>	12, 10, 8, 6, 4, or 2
<b>Memory and storage</b>	<b>Memory slots</b>	24 DIMM slots
	<b>Memory max</b>	768 GB
	<b>Memory type</b>	DDR3 RDIMM or UDIMM or LRDIMM
	<b>Memory protection features</b>	Unbuffered ECC Advanced ECC Mirrored memory Memory lock step mode
	<b>Network controller</b>	4x1 GB (4-port) 331i Ethernet Adapter
	<b>Storage controllers</b>	HP Smart Array P420i
	<b>Expansion slots</b>	9
<b>Deployment and manageability</b>	<b>Remote management software</b>	Insight Control with iLO Advanced
	<b>Form factor chassis</b>	Tower and 5U rack models
	<b>System fans features</b>	Optional hot plug redundant fans
	<b>Graphic card</b>	Support up to 3 double-wide graphic cards and 1 single-wide card or 3 single-wide cards
	<b>Full configuration form factor</b>	5U tower or rack
	<b>Warranty (parts-labor-onsite)</b>	Three-year parts, three-year labor, and three-year onsite

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Gain more insights by reading our [blog](#). 

Unlock your server's capacity with HP StoreVirtual VSA and gain fully-featured shared storage for your applications right on your server: [hp.com/go/freeVSA](http://hp.com/go/freeVSA)

## HP Services

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

Foundation Care Services deliver scalable support-packages for HP industry-standard servers and software. You can choose the type and level of service that are most suitable for your business needs. New to this portfolio is HP Collaborative Support. This service offers a single point of contact for server problem diagnosis, hardware problem resolution, and basic software problem diagnosis, as well as fault isolation, and resolution if available to HP. In case the issue is with HP or a supported third-party software product, and cannot be resolved by applying known fixes, HP will contact the third-party vendor and create a problem incident on your behalf.

If you are running business-critical environments, HP offers Proactive Care or Critical Advantage. These services help you deliver high levels of application availability through proactive service management.

All service options include HP Insight Remote Support for secure remote monitoring, diagnosis, and problem resolution. Also included, is the HP Support Center that provides access to the information, tools, and experts to support HP business products.

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

## Why HP?

HP ProLiant Gen8 servers, with HP ProActive Insight architecture, are self-sufficient servers that virtually take care of themselves. ProLiant Gen8 servers help you overcome common problems that can cause failures, downtime, and data loss. They offer:

- Integrated lifecycle automation
- Dynamic workload acceleration
- Automated energy optimization
- Proactive service and support

ProLiant Gen8 servers can help you increase compute capacity per watt of energy and resolve unplanned downtime issues faster through self-monitoring, self-diagnosing, and proactive support. Further, the use of a single iLO version on all HP ProLiant Gen8 servers makes them consistent, simpler, and easier to manage.

Get reliable and efficient support for your business environment with the HP ProLiant ML350p Gen8 Server series.

**Learn more at**  
[hp.com/servers/ml350p-gen8](http://hp.com/servers/ml350p-gen8)

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