

# HPE ProLiant ML350 Gen10 server

1012043604 (PERFML350-005)



## What's new

- Supports the additional 2nd generation Intel® Xeon Scalable Processor offerings delivering exceptional customer value with increased performance and industry leading frequency.
- Supports mixed LFF and SFF drive cages within the same server for tiered storage, offering the flexibility to mix drive types for cost and capacity size considerations.
- Available regionally, SMB offers that are aggressively priced.

## Overview

Do you need a robust server for your SMB and remote offices?

HPE ProLiant ML350 Gen10 server delivers a secure dual-socket tower server with performance, expandability, and proven reliability making it the choice for expanding SMBs, remote offices of larger businesses, and enterprise data centers.

ProLiant ML350 Gen10 leverages the Intel® Xeon® Scalable processors with up to 71% [1] performance gain and 27% increase in cores [2], along with the 2933 MT/s [3] or 2666 MT/s HPE DDR4 SmartMemory supports up to 3.0 TB and 11% [4] faster than 2400 MT/s. The shorter re-designed rackable chassis with multiple upgrade options provides flexibility that can expand as your business needs grow. It supports 12Gb/s SAS, [NVMe SSD](#), embedded

4x1GbE NIC with a broad range of graphics and options. Supported by the HPE Pointnext industry-leading service organization, the HPE ProLiant ML350 Gen10 server helps you transform to a digital business with more agility and all within your limited IT budget.

## Features

### Perform with Unmatched Versatility

HPE ProLiant ML350 Gen10 server supports up to two Intel Xeon Scalable processors, starting from Bronze through Platinum, 4 cores expanding up to 28 core processors offering unparalleled performance.

Up to 24 DIMM slots to support the 2933 MT/s or 2600 MT/s HPE DDR4 SmartMemory [3], reducing data loss and downtime with the HPE Gen10 technology licensed Fast Fault Tolerance feature while increasing workload performance and power efficiency.

It supports a wide range of solutions from Azure to Docker along with the traditional operating systems.

GPU expansion supports up to four units to accelerate performance in VDI applications and machine learning for financial services, surveillance and security, educational and scientific research, as well as retail and medical imaging.

With the new addition of NVIDIA Tesla T4 and NVIDIA Quadro RTX8000/6000/4000 GPU option support, it transforms into a even more powerful AI Tower server with high-speed GPU connection, ray-tracing and AI.

### Expand When Your Business Needs Grow

ProLiant ML350 Gen10 delivers expandability and flexibility with mixed LFF and SFF drive cages within the same server. Supporting 8 to 24 SFF or 16 SFF when mixed with 8 NVMe PCIe solid state drives, 4 to 12 LFF hot plug or non-hot plug drive protecting your IT investment in hybrid environment.

Large expansion capacity with eight PCIe slots, six USB ports, 5U rack conversion, and power supply options.

Embedded 4x1GbE and the choice of PCIe standup 1GbE, 10GbE, 25GbE or 100GbE adapters and Infiniband cards provide you the flexibility of networking bandwidth and fabric so you can scale and adapt to different needs as your business grows.

### Security Innovations

HPE Integrated Lights Out 5 (iLO 5) enables the world's most secure industry standard servers with HPE Silicon Root of Trust technology to protect your servers from attacks, detect potential intrusions and recover your essential server firmware securely.

iLO 5 security features include Server Configuration Lock to ensure secure transit; iLO Security Dashboard helps detect and address possible security vulnerabilities in server setup. Workload Performance Advisor provides server tuning recommendations for better server performance.

With Runtime Firmware Verification the server firmware is checked every 24 hours verifying validity and credibility of essential system firmware. Secure Recovery allows server firmware to rollback to the to last known good state or factory settings after detection of compromised code.

Additional security options are available with Trusted Platform Module (TPM) to prevent unauthorized access to the server and reliably store artifacts used to authenticate the server.

HPE InfoSight provides a cloud-based analytics tool that predicts and prevents problems before your business is impacted.

## **Industry Leading Services and Ease of Deployment**

The HPE ProLiant ML350 Gen10 server comes with a complete set of HPE Pointnext services, delivering confidence, reducing risk, and helping customers realize agility and stability.

Services from HPE Pointnext simplify all stages of the IT journey. Advisory and Transformation Services professionals understand customer challenges and design an effective solution. Professional Services enable rapid deployment of solutions and Operational Services provide 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		1012043604
<b>Product Number</b>	PERFML350-005	
<b>Processor core available</b>	10 core	
<b>Processor cache</b>	13.75 MB L3	
<b>Processor name</b>	Intel® Xeon® Scalable 4210 (10 core, 2.2 GHz, 13.75 MB, 85W)	
<b>Processor number</b>	1 processor	
<b>Processor speed</b>	2.2 GHz	
<b>Memory type</b>	HPE DDR4 SmartMemory	
<b>Included drives</b>	None ship standard, 8 SFF drives supported	
<b>Optical drive type</b>	Optional	
<b>Security</b>	<p>UEFI Secure Boot and Secure Start support Immutable Silicon Root of Trust FIPS 140-2 validation (iLO 5 certification in progress) Common Criteria certification (iLO 5 certification in progress) Configurable for PCI DSS compliance Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser Support for Commercial National Security Algorithms (CNSA) Tamper-free updates – components digitally signed and verified Secure Recovery – recover critical firmware to known good state on detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data TPM (Trusted Platform Module) 1.2 option TPM (Trusted Platform Module) 2.0 option Front bezel key-lock feature – standard, available in both Tower and Rack models Padlock slot, standard Kensington Lock slot, standard</p>	
<b>Infrastructure management</b>	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) (standard), HPE iLO Advanced, and OneView Advanced (optional)	
<b>Power supply type</b>	1 HPE 800W Flex Slot power supply	
<b>Expansion slots</b>	4-slots (x16, x8, x16, x8) as standard For detail reference QuickSpecs.	
<b>Network controller</b>	HPE Ethernet 1Gb 4-port 369i Adapter	
<b>Storage controller</b>	1 HPE Smart Array P408i-a SR Gen10 Controller	
<b>System fan features</b>	6 Standard Fans	
<b>Form factor</b>	4U Tower	
<b>Warranty</b>	<p>3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: <a href="http://h20564.www2.hp.com/hpsc/wc/public/home">http://h20564.www2.hp.com/hpsc/wc/public/home</a>. 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 <a href="http://www.hp.com/support">http://www.hp.com/support</a></p>	

**Product dimensions (metric)** 46.25 x 64.8 x 17.4 cm

**Weight** 21 kg

[1] Intel measurements. Up to 71% performance increase of Intel Xeon Platinum vs. previous generation E5 v4 average performance based on key industry-standard benchmark calculations comparing 2-socket Intel Xeon Platinum 8180 to E5-2699 v4 family processors. Any difference in system hardware or software design or configuration may affect actual performance. May 2017.

[2] Up to 27% performance increase of Intel Xeon Platinum vs. previous generation comparing 2-socket Intel Xeon Platinum 8180 (28 cores) to E5-2699 v4 (22 cores). Calculation 28 cores/22 cores = 1.27 = 27%. May 2017.

[3] 2933 MT/s DDR4 DIMMs are supported with the 2nd generation of Intel Scalable Processors; while 2600 MT/s DDR4 DIMMs are supported with the 1st generation of Intel Scalable Processors.

[4] The Gen10 2666 MT/s memory speed is 11% faster than that of Gen9 2400 MT/s, enabling faster server performance.

# HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

## Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

## Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

## Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

## Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

## HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

## **GreenLake**

[GreenLake](#) is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

- Streamline IT Operations across compute, storage, and networking without the chaos
- Unify and secure data, as you move faster
- Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

[For additional technical information, available models and options, please reference the QuickSpecs](#)

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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