

# HPE ProLiant ML350 Gen11

ProLiant ML300 Servers



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## What's new

- Powered by 4th Gen Intel® Xeon® Scalable Processors that support up to 60 cores[1] (120 cores per server), 350W TDP.
- Increased memory bandwidth, performance and lower power requirements with up to 8 TB DDR5 memory capacity with 32 DIMM slots.
- Advanced data transfer rates from the PCIe Gen5 serial expansion bus, support up to 10 standard PCIe Gen5 slots and 2 OCP 3.0 slots [2].
- Includes HPE Integrated Lights-Out 6 (iLO 6) server management software that enables you to securely configure, monitor,

## Overview

Are you looking for a robust and flexible tower optimized server for your SMB and remote offices?

The HPE ProLiant ML350 Gen11 is a powerful 2P tower server with optional rackable chassis for various environments, and delivers exceptional compute performance, security, reliability, and expandability.

Powered by 4th Gen Intel® Xeon® Scalable Processors up to 60 cores[1], up to 8 TB DDR5, PCIe Gen5, enhanced I/O and GPU support, and EDSFF storage[1], the HPE ProLiant ML350 Gen11 server fulfills a wide range of demanding workloads.

The silicon root of trust anchors the server firmware to an HPE-exclusive ASIC, creating a fingerprint for the 4th Gen

and update your HPE ProLiant Gen11 servers seamlessly from anywhere.

- Supports hot-pluggable, high-availability, RAID1 protected M.2 NVMe boot option.
- Supports new EDSFF E3.S NVMe form factor[1] to enable higher-density servers and storage systems, optimization of PCIe lanes from CPUs, and ultra-high SSD performance.

Intel® Xeon® Scalable Processor that must be matched exactly before the server will boot.

The HPE ProLiant ML350 Gen11 server is an excellent choice for diverse workloads such as IT infrastructure, Data Management, VDI, ERP/CRM. Scale and adapt to any environment with this server and accelerate your growing business.

## Features

### **Intuitive Cloud Operating Experience: Simple, Self-service, and Automated**

HPE ProLiant ML350 Gen11 servers are engineered for your hybrid world. The new ProLiant Gen11 servers simplify the way you control your business's compute—from edge to cloud—with a cloud operating experience.

Transform business operations and pivot your team from reactive to proactive with global visibility and insight through a self-service console.

Automate tasks for efficiency in deployment, instant scalability, and seamless, simplified support and lifecycle management reducing tasks and shortening maintenance windows.

These experiences are engineered and built into all HPE ProLiant Gen11 servers, whether purchased as physical servers or consume as-a-service using HPE GreenLake as your compute and storage demands grow.

Simplify and secure server management from edge to cloud with HPE GreenLake for Compute Ops Management. HPE GreenLake for Compute Ops Management is an as-a-service compute management experience that delivers greater simplicity, agility, and speed across your entire compute landscape, globally.

### **Trusted Security by Design: Uncompromising, Fundamental, and Protected**

HPE ProLiant ML350 Gen11 server uses the silicon root of trust to anchor the firmware of an HPE ASIC, creating an immutable fingerprint for the Intel Processor that must be matched exactly before the server will boot. This verifies that malicious code is contained, and healthy servers are protected.

HPE ProLiant Gen11 servers continuously protect healthy servers at the edge by providing rapid detection of security-compromised servers, even to the point of not allowing them to boot if it identifies and contains malicious code, with IDevID certificates installed by default.

HPE ProLiant Gen11 servers provide automated recovery from a security event, including restoration of validated firmware, and facilitating recovery of the operating system, application, data connections, and providing a fast path to bring a server back online and into normal operations.

From silicon to software, from factory to cloud, and from generation to generation, HPE ProLiant Gen11 is engineered with a fundamental security approach to defend against increasingly complex threats through an uncompromising commitment to constant security advancements that are built into our DNA.

### **Optimized Performance for your Workloads: Accelerated, Open, and Efficient**

The HPE ProLiant ML350 Gen11 server is an excellent choice for Compute and data storage demanding workloads (AI, ML, telco, DB analytics,) requiring high core count, GPU capabilities, and network and I/O bandwidth.

Harness major compute performance. The HPE ProLiant ML350 Gen11 server is powered by 4th Gen Intel® Xeon® Scalable Processors that support up to 60

cores[1] (120 cores per server) at 350W TDP.

Enjoy advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 4 x16 PCIe Gen5 and 2 x16 OCP slots to improve I/O throughput and reduce latency.

Utilize 32 DIMM channels for up to 8 TB DDR5 memory with increased memory bandwidth and performance, and lower power requirements.

### **Industry-leading Services and Ease of Deployment**

The HPE ProLiant ML350 Gen11 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.

Benefit from real-time operational feedback on server performance plus recommendations for fine-tuning BIOS settings to customize for changing business needs.



## Technical specifications

## HPE ProLiant ML350 Gen11

<b>Processor family</b>	4th Gen Intel® Xeon® Scalable Processors
<b>Processor core available</b>	8 to 60 cores, depending on processor.
<b>Processor cache</b>	22.5 MB L3 to 112.5 MB L3, depending on processor.
<b>Processor speed</b>	3.7 GHz, maximum depending on processor.
<b>Power supply type</b>	2 Flexible Slot power supplies maximum, depending on model.
<b>Expansion slots</b>	2 to 10 PCIe Gen5 (2 OCP 3.0). Refer to the QuickSpecs for more detail.
<b>Maximum memory</b>	8.0 TB with 256 GB DDR5 DIMM
<b>Memory slots</b>	32 DIMM slots
<b>Memory type</b>	HPE DDR5 SmartMemory
<b>Memory protection features</b>	Advanced ECC Memory Online Spare Mode Memory Lock Step Mode
<b>Optical drive type</b>	Optional DVD-ROM or DVD-RW. Optional via Slimline ODD cable Kit. Optional external support is available too. Optional Half-Height RDX, up to 1. Refer to the QuickSpecs for more detail.
<b>System fan features</b>	Depending on model, Standard 3 fans, none-hot-plug. Optional 5 additional fans, hot-plug and N+1 redundancy. Refer to the QuickSpecs for more detail.
<b>Network controller</b>	Choice of optional OCP plus standup. Refer to the QuickSpecs for more detail.
<b>Storage controller</b>	Choice of optional OCP plus standup. Refer to the QuickSpecs for more detail.
<b>DIMM capacity</b>	16 GB to 256 GB
<b>Infrastructure management</b>	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) HPE iLO Advanced, HPE iLO Advanced Premium Security Edition, and HPE OneView Advanced (require licenses) Compute Ops Management Software.
<b>Warranty</b>	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: <a href="https://support.hpe.com/hpsc/wc/public/home">https://support.hpe.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="https://www.hpe.com/support">https://www.hpe.com/support</a> .
<b>Drive supported</b>	4 to 12 LFF SAS/SATA or 8 to 24 SFF SAS/SATA/x1 NVMe HDD/SSD, or 8 SFF x4 NVMe SSD, depending on model. Upgrade option kits are available.
<b>Processor Type</b>	Intel
<b>Processor number</b>	1 or 2

Enterprise and Data Center SSD Form Factor (EDSFF) available Q1 2023. Subject to change.

Enhanced GPU support and more processor options will be available in Q2 2023. Subject to change.

OCP slots and two PCIe slots on tertiary riser are shared with 3 internal MICO connectors.



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

## HPE Pointnext Services

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

HPE Pointnext Tech Care provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- GreenLake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

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

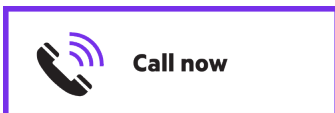
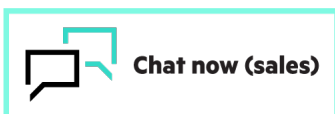
## HPE GreenLake

HPE GreenLake is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

Make the right purchase decision.  
Contact our presales specialists.

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Explore **HPE GreenLake**



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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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[PSN1014696172UKEN](#), February, 2023.