

# HPE PROLIANT XL250A GEN9 SERVER

## Apollo 6000 System



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### WHAT'S NEW

- Intel® Xeon® ES-2600 v4 series processors.
- Support for 64 GB 2133 MT/s or 16/32/64/128 GB 2400 MT/s HPE SmartMemory.

### OVERVIEW

Do you need a server platform for your data intensive workloads that can scale per your needs?

The HPE ProLiant XL250a Gen9 Server delivers 2P performance for your budget with dual accelerator support, while leveraging the HPE Apollo 6000 System and its modular flexibility and rack-scale efficiency.

This server features the Intel® Xeon® E5-2600 v3/v4 series processors and 16 DIMM slots are ready with DDR4 2133 (1024 GB maximum)/2400 (2048 GB maximum) MHz memory and HPE SmartMemory.

The modular HPE Apollo 6000 Chassis can accommodate up to ten server trays, with the flexibility to choose from various trays, HPE ProLiant XL250a Gen9 Server with accelerators, HPE ProLiant XL230a Gen9 Server, or a combination of server trays to meet workload needs while lowering TCO.

The HPE Apollo 6000 Power Shelf drives rack scale power efficiency, while the Hewlett Packard Enterprise Advanced Power Manager provides real-time power measurements and enables rack-level dynamic power capping.

## FEATURES

### **Efficient High-performance Compute with Accelerator to Optimize Workload**

The HPE ProLiant XL250a Gen9 Server supports two Intel® Xeon® E5-2600 v3/v4 series processors, with up to 16 cores and two accelerators for demanding enterprise performance.

Each tray has 16 DIMM slots for DDR4 2133 (1024 GB maximum) /2400 (2048 GB maximum) MT/s; and supports up to six hot-plug front-accessible hard drives with SAS/SATA/SSD options.

The HPE Apollo 6000 Chassis innovation zone supports 2 PCIe 3.0 HPE FlexibleLOM options including 1GbE, 10GbE and/or InfiniBand (EDR 100GbE)/Omnipath(OPA 100GbE) to fit workload needs while lowering solution TCO.

### **Modular Shared Infrastructure Delivers Rack-scale Efficiency**

The HPE ProLiant XL250a Gen9 Server delivers the flexibility to mix and match single and double slot server trays, including HPE ProLiant XL250a Gen9 Servers with accelerator, HPE ProLiant XL230a Gen9 Servers in a single HPE Apollo a6000 Chassis.

The HPE Apollo 6000 Power Shelf utilizes proven HPE BladeSystem high-efficiency power modules. Optionally, the HPE Advanced Power Manager dynamically monitors and manages power to maximize rack-level efficiency and redundancy for your workloads.

Front serviceable server trays in a standard rack-mount chassis make maintenance both quick and easy.

Single HPE Integrated Lights-Out (iLO) port for simplified rack-level cabling, location mapping and consolidated management.

### **Unlock Infrastructure Potential with Built-in Gen9 Technologies**

The HPE ProLiant XL250a Gen9 Server supports HPE DDR4 SmartMemory, reducing data loss and downtime with enhanced error handling, while also improving workload performance and power efficiency.

Hewlett Packard Enterprise SmartDrive technology improves serviceability and prevents data loss with features such as icon based status display.



The HPE iLO Management includes HPE iLO with Agentless Management, Active Health System, Intelligent Provisioning, and Embedded Remote Support. Each HPE ProLiant XL250a Gen9 Server has a dedicated iLO connection for faster and more secure data transmission.

Optimize firmware and driver updates and reduce downtime with HPE Smart Update, consisting of HPE Smart Update Manager (SUM) and HPE Service Pack for ProLiant (SPP).

## Technical specifications

## HPE ProLiant XL250a Gen9 Server

<b>Memory protection features</b>	Advanced ECC Memory Lock Step Mode Memory Online Spare Mode Memory Mirroring Mode
<b>CPU</b>	Intel E5-2600 v3/v4 series
<b>Memory</b>	16 DIMM slots, DDR4, 2133 MHz(16x64 GB=1024 GB Max), 2400 Mhz (16x128 GB=2048 GB Max)
<b>Network</b>	Various FlexibleLOMs supporting 1 GbE, 10 GbE and/or Infiniband (EDR 100GBe)/Omnipath(OPA 100Gbe)
<b>Storage</b>	6 Front accessible SFF hot plug drives (SSD/SATA/SSD)
<b>Boot capabilities</b>	1) Direct from SSD/HDD 2) Network 3) Internal MicroSD
<b>System configuration(s)</b>	Ships standard with 2 CPUs per server, various FlexibleLOM options (1 GbE, 10 GbE and/or IB 100 Gbe/OPA 100GBe), up to 16 DIMMs per server and 2 accelerator slots.
<b>Power</b>	Requires HPE Apollo 6000 Power Shelf
<b>Accelerator type supported</b>	Supporting various Intel Xeon Phi and NVIDIA accelerator cards
<b>Form factor</b>	Double-width slot
<b>Warranty</b>	1/1/1 (AMS and EMEA) 3/3/3 (APJ and China)



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

## HPE POINTNEXT SERVICES

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### 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.

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- 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.

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