



HPE PROLIANT XL230A GEN9 SERVER

Apollo 6000 System



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 enterprise workloads that can scale per your needs?

The HPE ProLiant XL230a Gen9 Server delivers 2P performance for your budget, while leveraging the HPE Apollo 6000 System and its modular flexibility and rack-scale efficiency. Featuring the Intel® Xeon® E5-2600 v3/v4 series processors, the 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 accommodates up to

ten (10) hot-swap server trays, with the flexibility to choose from the HPE ProLiant XL230a Gen9 Server, the HPE ProLiant XL250a Gen9 Server, or a combination of server trays to meet your workload needs while lowering your TCO.

The 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 Flexible Networking to Optimize TCO

The HPE ProLiant XL230a Gen9 Server supports two of the latest Intel® Xeon® E5-2600 v3/v4 series processors, with up to 16 cores for leading performance.

Each node has 16 memory sockets for HPE DDR4 SmartMemory 2133 MT/s, up to 1024 GB maximum (16x64 GB), 2400 MT/s up to 2048 GB max (16x128 GB); and supports up to 4 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

Up to ten (10) HPE ProLiant XL230a Gen9 Servers can be placed in a single HPE Apollo 6000 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, hot-plug 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 XL230a 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 Integrated Lights-Out (iLO) Management includes Agentless Management, Active Health System, Intelligent Provisioning, and Embedded Remote Support. Each HPE ProLiant XL230a Gen9 Server has a dedicated HPE 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 XL230a Gen9 Server

Memory protection features	Advanced ECC Memory Lock Step Mode Memory Online Spare Mode Memory Mirroring Mode
CPU	Intel E5-2600 v3/v4 series
Memory	16 DIMM slots, DDR4, 2133 MHz(16x64 GB=1024 GB Max), 2400 MT/s(16x128 GB=2048 GB Max)
Network	Various FlexibleLOMs supporting 1 GB, 10 GB and/or InfiniBand/Omnipath
Storage	4 Front-accessible SFF hot plug drives (SAS/SATA/SSD)
Boot capabilities	1) Direct from SSD/HDD 2) Network 3) Internal MicroSD
System configuration(s)	Ships standard with 2 CPUs per server, various FlexibleLOM options (1GbE, 10GbE and/or IB(EDR 100GbE)/OPA 100GbE), and up to 16 DIMMs per server.
Power	Requires HPE Apollo 6000 Power Shelf
Form factor	Single-width slot
Warranty	1/1/1 (AMS and EMEA) 3/3/3 (APJ and China)
Weight	6.8 kg maximum (four hard drives and two processors installed)
Product Dimensions (metric)	95.5 x 38.4 x 22.8 cm



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.

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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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