Hewlett Packard Enterprise

HPE ProLiant XL450 Gen9 Server

Apollo Systems

What's new

- Expand networking capabilities with 4 PCIe 3.0 slots and HPE FlexibleLOM.
- Up to 16 DIMM Slots.
- Intel® Xeon® E5-2600v3 Series Processors.

Overview

In your scale-out deployment, do your servers allow you to leverage the full potential of your Big Data?

The HPE ProLiant XL450 Gen9 Server gives you the power to optimize your performance requirements for Hadoop or object storage workloads using up to 2 Intel Xeon E5-2600v3 processors, and up to 512 GB (in 16 DIMMs) of memory per server. For ideal performance in analytics workloads, the HPE ProLiant XL450 Gen9 Server offers up to 16 cores per processor and up to 135W. Each server also features up to 4 PCIe Gen3 slots and a FlexibleLOM, enabling you to adapt to the I/O requirements of your workloads now and into the future.

In addition, the HPE ProLiant XL450 Gen9 Server offers HPE ProLiant management software like HPE Integrated Lights-Out 4 (iLO4) to deploy, manage, and utilize valuable data center resources. Whether you are running object storage, Hadoop, or other data intensive applications, you can deploy your scale-out

XL450 architecture with confidence.

Features

Gives You the Power to Optimize for Big Data Analytics and Object Storage

The HPE ProLiant XL450 Gen9 Server offers robust performance to run Hadoop analytics or other performance-intensive applications, using up to 2 Intel® Xeon® E5-2600v3 series processors per server.

For analytics or in-memory object stores, each HPE ProLiant XL450 Gen9 Server offers up to 16 DIMM slots for a maximum of 512 GB of 2133 MHz DDR4 memory.

For workloads requiring high I/O, each server supports up to 4 PCIe slots and HPE FlexibleLOM to support your current and future networking demands.

Consolidates Your Data Center Deployment Through Density Optimized Design

Fit up to 30 HPE ProLiant XL450 Gen9 Servers per rack when using the HPE Apollo 4530 -- 50% more servers than a rack filled with 2U servers.

Converged Infrastructure design shares fans and power supplies (up to 94% efficiency) to reduce energy expenditures and simplify cable management.

Simple Server Management Using HPE ProLiant Management Tools

The HPE ProLiant XL450 Gen9 Server offers HPE Integrated Lights-Out 4 (iLO4) support and one optional dedicated iLO network port for remote deployment, health monitoring, and server management.

With front hot-plug serviceability, the HPE ProLiant XL450 Gen9 Server makes maintenance easy.

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).

Leverage a wide range of Hewlett Packard Enterprise tools, from HPE Advanced Power Manager to HPE Cluster Management Utility, to confidently scale your deployment.

Technical specifications   HPE ProLiant XL450 Gen9 Server

Memory	16 DIMMs Up to 512 GB DDR4 Max 2133 MHz
Memory protection features	ECC
Power	Up to 4 Power Supplies (800W or 1400W Common Slot hot-plug redundant power supply) Up to 94% Efficiency AC and DC Options
Management features	HPE iLO4
Operating system	Microsoft (x64), Linux (x64)
Network	HPE Ethernet 1 Gb 2-Port 361i Adapter
Server	HPE ProLiant XL450 Gen9 Server
Storage	Apollo 4510: 68 LFF + 2 SFF + 2 M.2 max Apollo 4530: 15 LFF + 2 SFF + 2 M.2 max (per node)
Form factor	4U
System configuration(s)	Up to 16 DIMMs Up to 2 Processors 1 Gb or 10 Gb Ethernet, FlexibleLOM
CPU	Up to 2 Intel Xeon E5-2600v3 Series Processors
Boot capabilities	1.) 2 SFF Drives 2.) Direct from drive within HDD/SSD bay 3.) Dual M.2280 SSD 4.) Boot from network 5.) Boot from USB
Warranty	1-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.

- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.

- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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