

# HPE APOLLO PC40 SERVER

## Apollo 40 System



### OVERVIEW

Do you need a cost-effective, industry-standard server for deep learning and mixed workload HPC based on PCIe GPUs? The HPE Apollo pc40 Server is a 1U dual socket server featuring up to four NVIDIA® Tesla® GPUs and based on the Intel® Xeon® Processor Scalable Family. The HPE Apollo pc40 Server is an optimized, industry-standard server for deep learning and high performance computing (HPC) workloads that uses the PCIe form factor for greater choice in GPU selection. Enjoy quicker and easier deployments with systems configured, integrated, and tested by Hewlett Packard Enterprise. Using industry-standard IPMI 2.0 system management and the HPE Performance Software Suite, the

server is easy to use and manage. The HPE Apollo pc40 Server delivers cost-effective deep learning and HPC performance with high compute density (up to four GPUs per 1U rack space), helping to turn data into insights and insights into actions.

## FEATURES

### **Flexible Entry-level Server Configurations Tailored to HPC and Deep Learning**

The HPE Apollo pc40 Server features up to four NVIDIA Tesla PCIe graphic processing units (GPUs) to accelerate mixed-application HPC computing as well as deep learning workloads. The PCIe form factor can allow for a greater selection of accelerators and GPUs than alternate form factors.

Optimize the server for required workloads by choosing from the available CPUs in the Intel Xeon Processor Scalable Family, up to twelve 2666MHz DDR4 DIMMs, optional network adapters, and up to two SFF hard drives or solid state drives.

Fully integrated and factory tested clusters are delivered with a complete cluster management software stack to simplify deployment and management, and can be custom configured for perfect right-sizing.

Multiple network topologies are supported in cluster builds: Fat Tree, Hypercube, and Enhanced Hypercube for increased flexibility.

The server is readily integrated into a standard cluster environment.

### **Right-sized Compute for Infrastructure Efficiency**

The HPE Apollo pc40 Server is air-cooled for easy integration into standard server environments.

The system is designed for energy efficiency with dual 2000W Titanium Power Supplies to drive these powerful GPUs.

Select the right-sized network topology for the target cost model. For example, Fat Tree can be a strong, general purpose fabric which is effective for small systems, but can be expensive for large systems. Choose based on needs.

Integrated IPMI 2.0 enables standards-based systems management.

### **Expertise and Resources for Operational Efficiency**

The HPE Apollo pc40 Server alongside HPE Pointnext services offerings, deliver expertise in HPC, data management, visualization, systems management, and high performance data analysis (HPDA).

Expect responsive global support.

Enables custom solutions, as one size does not fit all requirements.

Committed account and technical resource teams.



**Technical specifications****HPE Apollo pc40 Server**

<b>CPU</b>	Intel® Xeon® Processor Scalable family
<b>Memory</b>	12 DIMM slots, DDR4, 2666 MHz
<b>Network</b>	1GbE, 10GbE and/or InfiniBand
<b>Storage</b>	2 SFF hot-plug drives (SATA/SSD)
<b>Boot capabilities</b>	Direct from SSD/HDD Network
<b>System configuration(s)</b>	Ships standard with two CPUs, various PCIe adapter options (1GbE, 10GbE and/or IB), and up to 12 DIMMs per server
<b>Power</b>	Two 2000W Titanium Level Power Supplies
<b>Management features</b>	Integrated IPMI 2.0
<b>Compatible operating systems</b>	Red Hat® Enterprise Linux® SUSE® Linux® Enterprise Server CentOS
<b>Accelerator type supported</b>	NVIDIA® Tesla P100 16 GB NVIDIA® Tesla P100 12 GB NVIDIA® Tesla P40
<b>Form factor</b>	1U
<b>Weight</b>	21.8 kg
<b>Product Dimensions (metric)</b>	4.32 x 43.69 x 89.41 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.

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

Make the right purchase decision.  
Contact our presales specialists.

[Find a partner](#)



Chat now (sales)



Call now



Buy now



Share now



Get updates

**Hewlett Packard  
Enterprise**

© Copyright 2022 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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.

Intel® is a trademark of the Intel Corporation in the U.S. and other countries. Xeon® is a trademark of the Intel Corporation in the U.S. and other countries. NVIDIA® is a registered trademark of NVIDIA Corporation in the U.S. and other countries. Red Hat® is a trademark of Red Hat, Inc. in the U.S. and other countries. SUSE® is a registered trademark of SUSE.

Image may differ from the actual product  
[PSN1010032489DKEN](#), June, 2022.