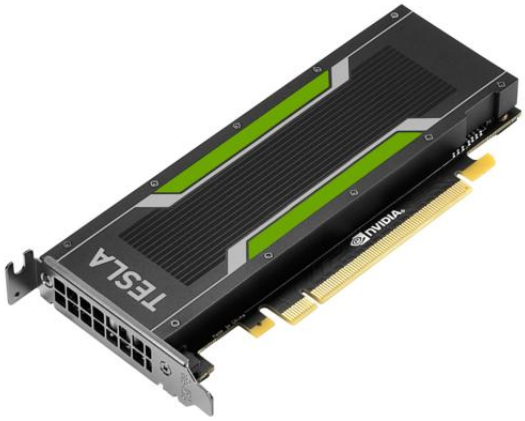
Hewlett Packard Enterprise

HPE NVIDIA Tesla P40 24GB Computational Accelerator (Q0V80A)

Server Accelerators



What's new

- NVIDIA Quadro P1000 Graphics Accelerator.
- NVIDIA Quadro P2200 Graphics Accelerator.

Overview

Do you require higher performance computation for deep learning, high-performance computing (HPC) workloads, or graphics?

Companies are facing greater computational and graphics requirements as large and complex computational models become more commonplace. Traditional CPU technology is no longer able to keep up with these increasing demands. NVIDIA® accelerators for HPE ProLiant servers seamlessly integrate GPU computing with select HPE server families. Designed for power-efficient, high-performance supercomputing, NVIDIA accelerators deliver dramatically

higher application acceleration than a CPU-only approach for a range of deep learning, scientific, and commercial applications. The thousands of NVIDIA CUDA® cores of each accelerator allow it to divide large computing or graphics tasks into thousands of smaller tasks that can be run concurrently, thus enabling much faster simulations and improved graphics fidelity for extremely demanding 3D models.

Features

Increased Performance to Solve Problems Faster

The NVIDIA accelerators for HPE ProLiant servers improve computational performance, dramatically reducing the completion time for parallel tasks, offering quicker time to solutions.

Co-locating the NVIDIA Quadro® or NVIDIA GRID GPUs with computational servers, large data sets can be shared, dramatically improving display refresh rates.

These GPUs are specifically designed to enable rich graphics in virtualized environments. Hewlett Packard Enterprise can satisfy NVIDIA GRID software via HPE Complete.

NVIDIA accelerators can be configured and monitored by HPE Insight Cluster Management Utility (CMU). HPE Insight CMU monitors and displays GPU health and temperature, as well as installs and provisions the GPU drivers and CUDA software.

Technical specifications

HPE NVIDIA Tesla P40 24GB Computational Accelerator

Product Number (SKU)	Q0V80A
Peak Single Precision Performance	12 TFlops
Number of accelerators per card	1
Cores	3840
Memory size per board	24 GB GDDR5
Memory bandwidth for board	346 GB/s
Accelerator applications	Deep learning
Architecture features	Deep learning models typically take days to weeks to train, forcing scientists to make compromises between accuracy and time to deployment. The NVIDIA Tesla P40 GPU accelerator, based on the NVIDIA Pascal architecture, is designed to deliver the highest combination of single precision performance together with high memory density, as required for deep learning training.
System	Compatible with HPE ProLiant DL380 Gen9, and HPE ProLiant XL190r servers
Minimum dimensions (H x W x D)	3.48 x 26.67 x 11.18 cm
Weight	1.07 kg
Warranty	For details on HPE Qualified Options Limited Warranty visit: 1-year parts, 1-year labor, and 1-year on-site support coverage. For more warranty information refer to http://h20564.www2.hpe.com/hpsc/wc/public/home

For additional technical information, available models and options, please reference the QuickSpecs

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 personalise 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.

Chat online

Image may differ from the actual product
PSN1009801831UKEN, December 19, 2019.

Hewlett Packard Enterprise