



**Hewlett Packard**  
Enterprise

# NVIDIA ACCELERATORS FOR HPE

## Computational and Graphics Accelerators for Servers



# NVIDIA®

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### WHAT'S NEW

- NVIDIA Ampere architecture CUDA cores: Double-speed processing for single-precision (FP32) operations and improved power efficiency for graphics and computer workflows.
- Second-generation RT cores: Up to 2x throughput of previous generation for speeding workloads such as photorealistic rendering, architectural design, and virtual prototyping.

### OVERVIEW

Do you require higher performance computation for deep learning, high-performance computing (HPC) workloads, or graphics? NVIDIA® Accelerators for HPE can help you overcome greater computational and graphics requirements as large and complex computational models become more commonplace. Designed for power-efficient, high-performance supercomputing, NVIDIA Accelerators for HPE 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

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- Third-generation Tensor Cores: Tensor Float-32 (TF32) precision; provides dramatically increased training throughput to accelerate AI and data science model training.
  - PCIe Express Gen 4: Increased bandwidth improves data-transfer speeds from CPU memory.
  - Data center security: Secure and measured boot with primary root-of-trust within the GPU helps certify that firmware isn't tampered with or corrupted.

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. NVIDIA Accelerators seamlessly integrate GPU computing with select Hewlett Packard Enterprise server families.

## FEATURES

### Increased Performance to Solve Problems Faster

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

### Simplified Integration and Management

NVIDIA Accelerators for HPE are designed to simplify integration with a scalable and highly-configurable modular architecture.

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

## NVIDIA Accelerators for HPE

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### 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.hp.com/hpsc/wc/public/home>

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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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[PSN4206249TWE](#), May 06, 2022.