# NVIDIA Accelerators for HPE

## NVIDIA RTX PRO 6000 Blackwell Server Edition 96GB PCIe Accelerator for HPE (S6A73C)

### What's new

- Built on the NVIDIA Blackwell architecture, the NVIDIA RTX PRO™ 6000 Blackwell Server Edition delivers a powerful combination of AI and visual computing to accelerate enterprise data center workloads.
- With 96 GB of ultra-fast GDDR7 memory, the NVIDIA RTX PRO 6000 Blackwell accelerates a range of use cases from agentic AI, physical AI, and scientific computing to rendering, 3D graphics, and video.
- Multi-Instance GPU (MIG) expands the performance and value of RTX PRO 6000 Blackwell by enabling the creation of up to four (4) fully isolated instances.
- NVIDIA H200 NVL is ideal for lower-

## Overview

Do you require higher performance for artificial intelligence (AI) training and inference, high-performance computing (HPC) or graphics? NVIDIA® Accelerators for HPE help solve the world's most important scientific, industrial, and business challenges with AI and HPC. Visualize complex content to create cutting-edge products, tell immersive stories, and reimagine cities of the future. Extract new insights from massive datasets. Hewlett Packard Enterprise servers with NVIDIA accelerators are designed for the age of elastic computing, providing unmatched acceleration at every scale.

power, air-cooled enterprise rack designs that require flexible configurations, delivering acceleration for AI and HPC workloads.

- With up to four GPUs connected by NVIDIA NVLink™ and a 1.5x memory increase, LLM inference can be accelerated up to 1.7x and HPC up to 1.3x on H200 NVL compared to H100 NVL.
- NVIDIA H200 NVL comes with a five-year NVIDIA AI Enterprise subscription and simplifies the way you build an enterprise AI-ready platform.

# Features

### Develop and Deploy AI at Any Scale

Build new AI models with supervised or unsupervised training for generative AI, computer vision, large language models (LLM), scientific discovery, and financial market modeling with NVIDIA accelerators and HPE Cray systems.

Get real-time inference for computer vision, natural language processing, fraud detection, predictive maintenance, and medical imaging with NVIDIA accelerators and HPE ProLiant Compute Servers.

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

### NVIDIA Qualified and NVIDIA Certified HPE Servers

NVIDIA Accelerators for HPE undergo thermal, mechanical, power, and signal integrity qualification to validate that the accelerator is fully functional in the server. NVIDIA Qualified configurations are supported for production use.

NVIDIA-Certified HPE servers are tested to validate both multi-GPU and multi-node performance for a diverse set of workloads to deliver excellent application performance, manageability, security, and scalability.

### HPE Integrated Lights-Out (iLO) Management

HPE iLO server management software enables you to securely configure, monitor, and update your NVIDIA Accelerators for HPE seamlessly, from anywhere in the world.

HPE iLO is an embedded technology that helps simplify server and accelerator set up, health monitoring, power, and thermal control, utilizing HPE's Silicon Root of Trust.

| Technical specifications | NVIDIA RTX PRO 6000 Blackwell Server Edition 96GB PCIe Accelerator for HPE |
|---|---|
| **Product Number** | S6A73C |
| **Platform supported** | HPE Mainstream Compute Platforms |
| **Number of accelerators per card** | 1 |
| **Memory size per board** | 96 GB GDDR7 |
| **Memory bandwidth for board** | 1597 GB/s |
| **Accelerator applications** | Deep learning inference, generative AI workloads, batch, real-time rendering, virtual workstations, and cloud gaming |
| **Architecture features** | Fifth-generation Tensor Cores deliver up to 3X the performance of the previous generation and add support for FP4 precision and DLSS 4 Multi Frame Generation technology. Accelerate local LLMs, prototype new AI models, and drive enhanced content creation and graphics.<br>Fourth-generation RT Cores deliver up to 2X the performance of the previous generation, accelerating rendering for M&E content creation, AECO design, and manufacturing prototyping. Create photoreal, physically accurate scenes and immersive 3D designs with neural graphics-based technologies, such as RTX Mega Geometry, enabling up to 100X more ray-traced triangles.<br>NVIDIA Blackwell is the most powerful professional RTX GPU ever created with the latest SM and CUDA® core technology. The SM features increased processing throughput, and new neural shaders that integrate neural networks inside of programmable shaders to drive the next decade of AI-augmented graphics innovations. |
| **System** | Compatible with HPE ProLiant DL380a Gen12, DL385 Gen11 |
| **Warranty** | For details on HPE Qualified Options Limited Warranty visit: 3-year parts, 0-year labor, and 0-year on-site support coverage. For more warranty information refer to https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us |

# HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

### Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

### Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

### Support services

Optimize your entire IT environment and drive innovation.  Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

### Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

### HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject.  Schedule training in a way that works best for your business with flexible continuous learning 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 edge-to-cloud platform is HPE's market-leading 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, 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.

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

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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.



Image may differ from the actual product.

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