

ACCELERATE AI STARTER KITS

Flexible packages, to accelerate your AI journey

AI Entry Kit

HPE Apollo 2000 Gen10



XL 190r G10 2U node

AI Training Kit

HPE Apollo 6500 Gen10



Technology is transforming nearly every human and business process, from driving business growth, to translating documents in real time, to enhancing decision-making in areas such as financial services and scientific research.

Spearheading these technological advancements, artificial intelligence (AI) is demanding a new breed of performance-accelerated solutions. There are two audiences that have an interest in the type of AI infrastructure implemented in the organisation. The data science team is being pressured to deliver results, as fast as possible. IT managers and administrators want to get control of the AI projects and these new demands for applications and services they have not previously been exposed too, while ensuring the infrastructure meets existing standards for security, manageability, and support.

HPE ACCELERATE AI STARTER KITS FOR NVIDIA NGC

HPE Accelerate AI Starter Kits deliver a system that meets the demands of both the data science and IT teams, combining the right software and performance with solutions built for the Enterprise.

These integrated AI solutions carefully selected from HPE's market leading portfolio of servers, software and services, that leverage the benefits of NVIDIA® GPUs and NGC¹ software for GPU-optimised deep learning and machine learning, enabling customers to process massive volumes of data at incredible speeds. Each HPE Accelerate AI Starter Kit is deployed ready to run your AI workload and includes AI training credits.

HPE helps you accelerate value from your data, using AI to create new experiences, drive smarter operations, and deliver breakthrough innovation.

HPE AI ENTRY STARTER KIT

Many have tried using PC's or Workstations with GPUs when starting their AI journey. Although these systems can seem a quick and easy way to get started, they are quickly outgrown as the AI journey progresses. They do not contain enterprise grade GPU's which mean they lack performance and commonly overheat. They are not designed to be in a data center, which of course is where the data is that you will want to quickly access once you start to train your models.

The Entry Starter Kit delivers an affordable entry point for AI training and inference workloads. Aimed at helping you get started, this system will continue to deliver throughout your AI journey as a dedicated inference device.

HPE Apollo 2000 Gen10 System takes training and inference workloads to new heights of performance, efficiency, and security.

HPE AI TRAINING STARTER KIT

After the initial proof of concept has been completed, and one or more key AI use cases defined, more frequent and intensive training is required. In the HPE portfolio, an eight GPU system with NVIDIA NVLink is the most common option for continuous AI training. There is also a four GPU option with NVLink that provides an excellent price/performance entry point.

¹ [nvidia.com/en-gb/gpu-cloud/](https://www.nvidia.com/en-gb/gpu-cloud/)

Solution brief

Key Benefits

- Faster time to insight for competitive advantage by allowing better use of your data.
- Unbeatable throughput and performance by tightly coupling compute power with industry-leading GPUs.
- Scalable and flexible, so you can scale to meet business demand.
- Mitigating risk. Each is a fully tested and compliant HPE solution, making it secure and resilient.

Additional Options

- HPE AI Transformation Workshop
- NGC Support
- Storage, Networking and Edge Infrastructure

[HPE Apollo 2000](#)

[HPE Apollo 6500](#)

[NVIDIA NGC](#)

[HPE training](#)

Both of these solutions offer flexible configurations, such as increasing disk or memory capacity or rebalancing the ratio of CPU to GPU depending on your specific workload.

VALIDATED SOLUTION ELEMENTS FOR THE AI ENTRY STARTER KIT

HPE Apollo 2000 Gen10 System can be ordered with either four or eight NVIDIA T4 16 GB GPUs. The bundle consists of:

- HPE Apollo 2000 Gen10 Server (HPE ProLiant XL190r)
- Intel® Xeon® Gold 6230 (2.1 GHz/20-core/125W) processor
- 192 Gb RAM/384 Gb RAM
- 4.8 TB storage or 9.6 TB storage
- 10/25GbE ports
- HPE iLO Advanced 1-server licence with 3-year support on iLO licensed features
- HPE Education Services
- HPE Pointnext Services Deployment and Integration
- HPE Foundation Care services

The chassis with a single node gives room to add a second node and scales up to eight GPUs per chassis. This helps you meet the demanding data read/write requirements on the storage and data management components of HPC analytics and AI environments.

VALIDATED SOLUTION ELEMENTS FOR THE AI TRAINING STARTER KIT

Built for machine and deep learning workloads, HPE Apollo 6500 Gen10 System comes with either four or eight NVIDIA:

- HPE Apollo 6500 Gen10 Server

- Intel Xeon Gold 6230 (2.1 GHz/20-core/125W)
- NVIDIA V100 32 GB SXM2 GPUs
- NVIDIA NVLink 2.0 GPU Cross-connect
- 768 Gb RAM
- 8.64 TB Storage
- Two 10/25 Gb Ethernet ports
- Four 100 Gb Ethernet/InfiniBand EDR ports
- HPE iLO Advanced 1-server licence with 3-year support on iLO licensed features
- HPE Education Services
- HPE Pointnext Services Deployment and Integration
- HPE Foundation Care services

A POWERFUL SOLUTION SUPPORTED BY GLOBAL SERVICES

HPE Proactive Care gives customers an enhanced call experience. When your products are connected to Hewlett Packard Enterprise, HPE Proactive Care helps prevent problems and maintains IT stability by utilising personalized proactive reports with recommendations and advice. This service combines both reactive support when there is a problem with an enhanced call experience and start to finish case management with proactive reporting and advice. Additionally, HPE Pointnext Services provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation.

LEARN MORE AT hpe.com/uk/en/solutions/artificial-intelligence.html

Make the right purchase decision.
Contact our presales specialists.



Chat



Email



Call



Get updates

**Hewlett Packard
Enterprise**

© Copyright 2020 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.

Intel Xeon Gold is a trademark of Intel Corporation in the U.S. and other countries. NVIDIA and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. All third-party marks are property of their respective owners.

a50002482EEW, August 2020