

HPE Cray XD675



What's new

- Powered by eight AMD Instinct MI300X accelerators that support 192 GB of HBM3 memory each at 5.3TB/s of bandwidth.
- Unique, dynamic, and flexible U.3 NVMe SSDs.
- AMD EPYC 9004 Series processors.
- Support for up to 3 TB total DDR5 memory with 12 DIMM channels per processor delivers increased performance and lower power requirements.

Overview

Are you looking to accelerate AI workloads with a purpose-built architecture?

The HPE Cray XD675 delivers breakthrough performance with modern AMD accelerators and processors.

Powered by eight AMD Instinct™ MI300X accelerators and AMD EPYC™ 9004 Series processors, the HPE Cray XD675 provides impressive performance for running AI models, fine-tuning, and inference.

This flexible and complete AI solution features 1.5 TB of GPU memory and 10.4PFLOPs of peak FP16 performance per server that can be adapted for HPC performance with 654 TFLOPs of peak FP64 performance per server. With link speeds up to 400GbE, the HPE Cray XD675 supports NVIDIA® InfiniBand NDR to offer incredible processing power for demanding workloads and exciting adaptability for constantly-evolving demands.

Features

Unleash Incredible Performance and Efficiency

The HPE Cray XD675 delivers a complete AI solution from chassis to rack scale with 1.5 TB of GPU memory and 10.4PFLOPs of peak FP16 performance per server.

The HPE Cray XD675 delivers excellent HPC performance with 654 TFLOPs of peak FP64 performance per server.

Trusted Partnership Provides Confidence in the AI Era

With AMD integration, the HPE Cray XD675 taps into the same technologies used to power some of the world's most sustainable supercomputers.

Support for NVIDIA InfiniBand NDR provides reliable bandwidth while reducing system demands.

Technical specifications

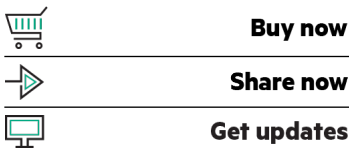
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Maximum memory	3 TB with 128 GB DDR5
Processor family	4th Generation AMD EPYC
Drive supported	NVMe Read Intensive SFF U.3 SSD options from 1.92 TB to 15.36 TB Mixed Use SFF U.3 SSD options from 1.6 TB to 3.2 TB
Memory	64 GB to 128 GB of DDR5-5600 memory
Network	Intel® E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE HPE Data Processing Unit InfiniBand NDR/Ethernet 400Gb 1-port QSFP112 HHHL B3140H Adapter HPE Data Processing Unit InfiniBand NDR200/Ethernet 200Gb 2-port QSFP112 FHHL B3220 Adapter Broadcom Ethernet 400Gb PCIe5 x16 Adapter for HPE Cray XD
Processor core available	32 to 96 core
GPU support modules	AMD Instinct MI300X 8-way accelerator for HPE Cray XD675



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

Make the right purchase decision.
Contact our presales specialists.



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.

Consulting 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 you can focus on innovation.

Operational 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.

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.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

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](#).

Explore **HPE GreenLake**



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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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[PSN1014835198UKEN](#), January, 2025.