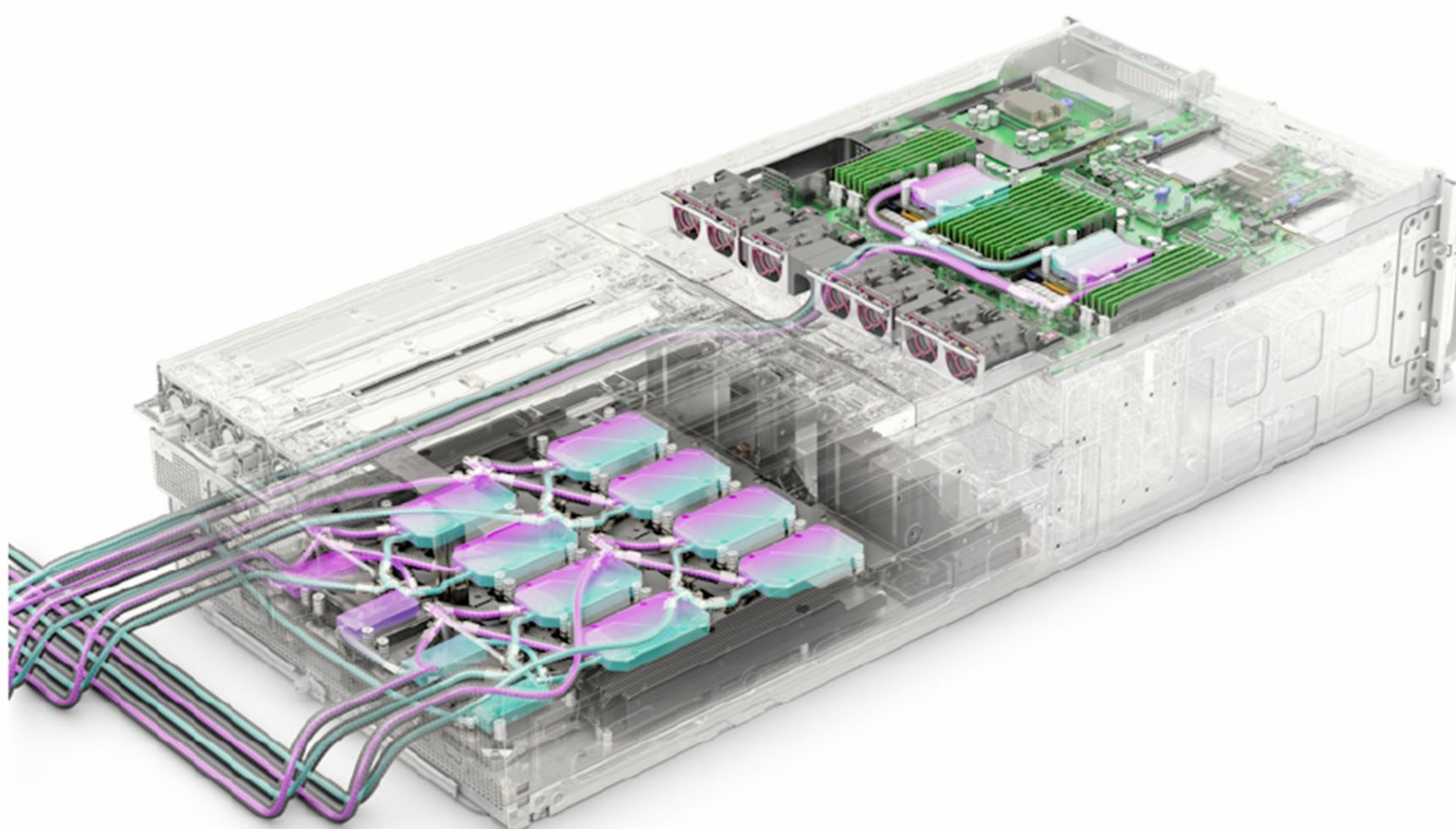


HPE ProLiant Compute XD685



What's new

- Support for eight NVIDIA® Blackwell Ultra (B300 HGX) GPUs, eight NVIDIA Blackwell (B200) GPUs, eight NVIDIA H200 Tensor Core GPUs, or eight AMD Instinct™ MI355X accelerators.
- Direct liquid cooling (DLC) available for all GPU options. Air-cooling available for NVIDIA H200 GPUs.
- Modular 5U chassis for direct liquid cooling environments or 6U chassis for air cooled configurations.
- 24x DDR5 6400 RDIMMs and 12 channels per CPU DDR5 with ECC
- Seamless management and built-in security features from HPE iLO 6
- 2x 5th Generation AMD EPYC™

Overview

Do you need a highly performant, secure, and energy-efficient large AI cluster?

The HPE ProLiant Compute XD685 leverages a purpose-built architecture and is designed to accelerate large, complex AI model training and tuning workloads. Powered by eight of the latest accelerators from NVIDIA® or AMD, this server is optimized for large language model training, natural language processing, and multimodal training. Optional direct liquid cooling (DLC) helps organizations meet escalating power requirements, advance sustainability goals, and lower operational costs. Managed by HPE iLO, the server offers seamless management and robust security.

HPE Services provides expertise for global installation and quick deployment of large AI clusters, offering stability and operational excellence.



Technical specifications	HPE ProLiant Compute XD685
Processor type	AMD
Processor family	5th Generation AMD EPYC™ Processors
Processor core available	32-160 cores, depending on the processor
Processor cache	128-512 MB, depending on the processor
Processor number	2 processors
Processor speed	Up to 5.0 GHz, depending on the processor
Maximum memory	6.1 TB with 256 GB DDR5
Memory slots	24 DIMM Slots
Memory type	HPE DDR5 Standard Memory
Drive supported	8 E3.S hot-swappable NVMe, additional drives available when storage controller is installed
Optical drive type	N/A
Security	HPE iLO 6
Infrastructure management	Server: HPE iLO6, BMC, Redfish APIs, 1GbE LAN (for BMC only) Cluster: HPE Performance Cluster Manager
Power supply type	6x 3000W @54V Titanium Plus (N+1), 200-277 VAC input
Expansion slots	8x HHHL PCIe Gen5 x16, 3 x FHHL PCIe Gen5 x16
Network controller	1 HPE SR932i-p Gen11 x32 Lanes 8GB Wide Cache PCI SPDM Plug-in Storage Controller
Storage controller	1 HPE MR416i-p Gen11 x16 Lanes 8GB Cache PCI SPDM Plug-in Storage Controller
System fan features	Air and DLC
Form factor	5U Rack DLC Chassis, 6U Rack Air Chassis
Warranty	This product is covered by a global limited warranty and supported by HPE Services and a worldwide network of HPE Authorized Channel Partners and resellers. Hardware diagnostic support and repair are available for three years from the date of purchase. Support for software and initial setup are available for 90 days from the date of purchase. Enhancements to warranty services are available through HPE Services operational services or customized service agreements. Hard drives have either a one-year or three-year warranty; refer to the specific hard drive QuickSpecs for details.

