

HPE ProLiant Compute DL380a Gen12



What's new

- Powered by Intel® Xeon® 6 processors with next-generation technology that support up to 144 cores at 250W in a 4U chassis.
- Support for ten double-wide GPUs up to 600W each.
- Ability to boost inference speeds by connecting four neighboring GPUs via NVIDIA's 4-way NVLink Bridge.
- Three power domains, two of which have six power supplies dedicated to GPUs, resulting in more efficient and reliable performance for both the system as well as the GPUs themselves.
- Advanced data transfer rates and higher network speeds from the PCIe

Overview

Are you looking for a server with advanced scalability for GPUs that can enhance the performance of your AI inferencing workloads?

The HPE ProLiant Compute DL380a Gen12 server is a rack-optimized, 4U 2P solution that delivers breakthrough performance with advanced GPU accelerators on an ultra-scalable architecture.

Powered by Intel® Xeon® 6 processors with up to 144 cores and ten double-wide GPUs as well as increased memory bandwidth and high-speed PCIe Gen5 I/O, the HPE ProLiant Compute DL380a Gen12 server is a perfect solution for AI inference workloads.

The HPE ProLiant Compute DL380a Gen12 server is engineered to enhance IT with a cloud operating experience, built-in security, and customized performance for workloads to drive your business forward.



Technical specifications	HPE ProLiant Compute DL380a Gen12
Processor type	Intel
Processor family	6th Generation Intel® Xeon® Scalable Processors
Processor core available	64 to 144 core, depending on processor
Processor number	2
Processor speed	2.4 GHz maximum, depending on processor
Maximum memory	4 TB - RDIMM (2 TB per processor)
Memory slots	32 DIMM slots
Memory type	HPE DDR5 Smart Memory
Memory protection features	RAS – Advanced ECC, online spare, mirroring, combined channel (lockstep) functionality, and HPE Fast Fault Tolerant Memory (ADDDC)
Drive supported	SFF NMVE and EDSFF
Security	Optional locking Bezel kit, Intrusion Detection kit, and embedded HPE TPM 2.0
Infrastructure management	HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, and HPE OneView Advanced (optional, requires licenses)
Power supply type	Up to 8 M-CRPS. Single 1+1 redundancy for system board. Dual 2+1 redundancy for GPUs.
Expansion slots	6, for detailed descriptions refer to the QuickSpecs
System fan features	4 dual-rotor and 8 single-rotor hot plug fans included
Form factor	4U Rack

