

G4L3-ZD1-LAX3

HPC/AI Server - 4U DP HGX™ H200 8-GPU DLC



Features

- Liquid-cooled NVIDIA HGX™ H200 8-GPU
- CPU+GPU direct liquid cooling solution with leak detection
- 900GB/s GPU-to-GPU bandwidth with NVLink® and NVSwitch™
- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- Dual ROM Architecture
- Compatible with NVIDIA BlueField®-3 DPUs and ConnectX®-7 NICs
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen3 x4 and x1 interface
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL dual-slot PCIe Gen5 x16 slots
- 8 x FHHL single-slot PCIe Gen5 x16 slots
- 4+4 3000W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	4U (W447 x H175.3 x D900 mm)	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default) Rear: 1 x MLAN
Motherboard	MSB3-PE0	Backplane Board	Speed and bandwidth: PCIe Gen5 x4
Modular GPU	Liquid-cooled NVIDIA HGX™ H200 with 8 x SXM GPUs	TPM	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 500W	Power Supply	4+4 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V *The system power supply requires C19 power cord.
Socket	2 x LGA 6096 (Socket SP5)	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Chipset	System on Chip	OS Support	Windows Server, Red Hat Enterprise Linux Server, VMware ESXi, SUSE Linux Enterprise, Ubuntu Server, Citrix Hypervisor
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6000 MT/s [EPYC 9004] Up to 4800 MT/s	System Fans	Motherboard: 2 x 60x60x56mm, 2 x 60x60x76mm PCIe slots: 4 x 80x80x56mm (15,500rpm) GPU tray: 4 x 60x60x38mm (24,000rpm)
LAN	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Support NCSI function 1 x 10/100/1000 management LAN	Operating Properties	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Packaging Content	1 x G4L3-ZD1-LAX3, 1 x CPU cold plate loop, 1 x L-shape Rail kit
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x1	Part Numbers	Barebone w/ NVIDIA module: 6NG4L3ZD1DR000LCX3*
RAID	Require RAID add-in cards		
Expansion Slots	4 x FHHL dual-slot PCIe Gen5 x16 slots 8 x FHHL single-slot PCIe Gen5 x16 slots		



Learn more at <https://www.GIGABYTE.com/enterprise>

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