

G4L4-ZD3-LAX7

HPC/AI Server - AMD EPYC™ 9005/9004 Server Processors -
4U DP NVIDIA HGX™ B300 DLC



Key Features

- Liquid-cooled NVIDIA HGX™ B300
- Integrated-manifold DLC solution with leak detection
- 8 x 800 Gb/s OSFP XDR InfiniBand or dual 400 Gb/s Ethernet GPU networking ports via onboard NVIDIA ConnectX®-8 SuperNIC™
- 1.8 TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™
- Dual AMD EPYC™ 9005/9004 Server Processors
- 12-Channel liquid-cooled DDR5 RDIMM per CPU with 24 x DIMMs
- Compatible with NVIDIA BlueField®-3 DPUs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen3 x4 and x1
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL PCIe x16 slots with Gen5 x16 lanes
- 5+5 3000 W 80 PLUS Titanium redundant power supplies

Applications

AI Platform, AI Training Server, AI Inference Server, High-Performance Computing Server...

Specification

Dimensions	4U (W447 x H175.5 x D901 mm)	Modular GPU	[DLC] NVIDIA HGX™ B300 with 8 x SXM GPUs
Motherboard	MZB3-PE3	PCIe Expansion Slots	4 x FHHL x16 (Gen5 x16)
CPU	AMD EPYC™ 9005 Server Processors AMD EPYC™ 9004 Server Processors [DLC] Dual processors, cTDP up to 500 W	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN Rear: 8 x OSFP, 1 x MLAN
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012
Socket	2 x LGA 6096 (Socket SP5)	Power Supply	5+5 3000 W 80 PLUS Titanium redundant power supplies AC Input: 115-240 V *The system power supply requires C19 power cord.
Chipset	System on Chip	System Fans	Motherboard: 2 x 60x60x38mm 3 x 60x60x56mm PCIe slots: 2 x 80x80x56mm
Memory	[DLC] 12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	Front: 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN Rear: [DLC] 8 x 800 Gb/s OSFP XDR InfiniBand or dual 400 Gb/s Ethernet, for GPU networking, via NVIDIA ConnectX®-8 SuperNIC™ 1 x 10/100/1000 Mb/s Management LAN	Packaging Content	1 x G4L4-ZD3-LAX7 1 x L-shape Rail kit
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Ordering Part Numbers	6NG4L4ZD3DR000LCX7*
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		



Learn more at: <https://www.gigabyte.com/Enterprise>

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