

G4L3-ZD1-LAX5

HPC/AI Server - 4U DP NVIDIA HGX™ B200 DLC



Key Features

- Liquid-cooled NVIDIA HGX™ B200
- CPU+GPU direct liquid cooling solution with leak detection
- 900GB/s GPU-to-GPU bandwidth with NVIDIA 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 NVIDIA 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

Applications

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

Specification

| | | | |
|------------------|---|-----------------------|--|
| Dimensions | 4U (W447 x H175.5 x D901 mm) | PCIe Expansion Slots | 4 x FHHL dual-slot PCIe Gen5 x16 8 x FHHL single-slot PCIe Gen5 x16 |
| Motherboard | MZB3-PE0 | I/O Ports | Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default) Rear: 1 x MLAN |
| CPU | AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 500W ^[1] ^[1] The ambient temperature is limited to 30°C when NVIDIA® BlueField®-3 DPUs are installed. | Backplane Board | PCIe Gen5 x4 |
| OS Compatibility | OS Support List | TPM | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 |
| Socket | 2 x LGA 6096 (Socket SP5) | Power Supply | 4+4 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V *The system power supply requires C19 power cord. |
| Chipset | System on Chip | System Management | ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface |
| Memory | 12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s | System Fans | Motherboard: 2 x 60x60x56mm / 2 x 60x60x76mm PCIe slots: 4 x 80x80x56mm GPU tray: 4 x 60x60x38mm |
| LAN | Front: 2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN Rear: 1 x 10/100/1000 Mbps Management LAN *When both MLAN ports are connected with cables, the front MLAN port will be set as the default. | 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) |
| Video | Integrated in ASPEED® AST2600 - 1 x VGA port | Packaging Content | 1 x G4L3-ZD1-LAX5 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 | Ordering Part Numbers | 6NG4L3ZD1DR000LCX5* |
| Modular GPU | Liquid-cooled NVIDIA HGX™ B200 with 8 x SXM GPUs | | |



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

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