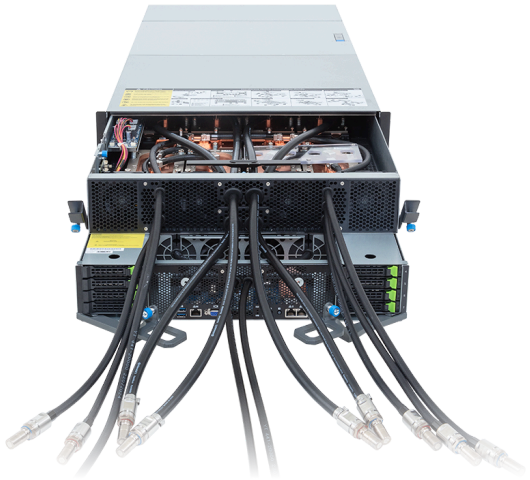
GIGABYTE™

G4L4-SD1-LAX5

HPC/AI Server - Intel® Xeon® 6700/6500-Series Processors - 4U, DP, NVIDIA HGX™ B200, DLC



Key Features

- Liquid-cooled NVIDIA HGX™ B200
- CPU+GPU direct liquid cooling solution with leak detection
- 1.8 TB/s GPU-to-GPU bandwidth with NVIDIA NVLink™
- Dual Intel® Xeon® 6700/6500-series processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- Compatible with NVIDIA® BlueField®-3 DPUs and NVIDIA ConnectX®-7 NICs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen5 x4 and x2
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL dual-slot PCIe x16 slots with Gen5 x16 lanes
- 8 x FHHL single-slot PCIe x16 slots with Gen5 x16 lanes
- 4+4 3000 W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	4U (W447 x H175.5 x D901 mm)
Motherboard	MSB4-PE0
CPU	Intel® Xeon® 6 processors - Intel® Xeon® 6700-series processors - Intel® Xeon® 6500-series processors [LC] Dual processors, TDP up to 350 W
OS Compatibility	OS Support List
Socket	2 x LGA 4710 (Socket E2)
Chipset	System on Chip
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 6000 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.
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:** 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
Storage	**Front hot-swap:** 8 x 2.5" Gen5 NVMe **Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen5 x4 1 x M.2 (2280/22110), PCIe Gen5 x2
Modular GPU	[LC] NVIDIA HGX™ B200 with 8 x SXM GPUs

PCIe Expansion Slots	4 x FHHL x16 (Gen5 x16), dual-slot 8 x FHHL x16 (Gen5 x16), single-slot *The ambient temperature is limited to 30°C when NVIDIA BlueField®-3 DPUs/SuperNIC™ are installed.
I/O Ports	**Front:** 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default) **Rear:** 1 x MLAN
TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012
Power Supply	4+4 3000 W 80 PLUS Titanium redundant power supplies AC Input: 115-240 V *The system power supply requires C19 power cord.
System Fans	Motherboard: 2 x 60x60x56mm 2 x 60x60x76mm PCIe slots: 4 x 80x80x56mm GPU tray: 4 x 60x60x38mm
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) *To ensure system stability and prevent condensation, when the relative humidity exceeds 50%, the coolant inlet temperature must be higher than the dry-bulb temperature and it should not exceed 45°C.
Packaging Content	1 x G4L4-SD1-LAX5 4 x CPU carriers 1 x L-shape Rail kit
Ordering Part Numbers	6NG4L4SD1DR000LAX5*

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

* All specifications are subject to change without notice. Please visit our website for the latest information.
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