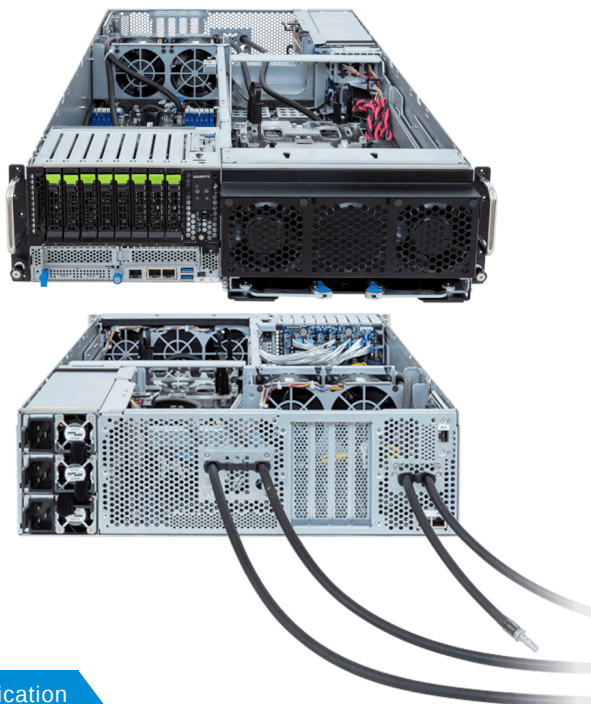# GIGABYTE™

G363-ZR0-LAX1 (Rev. 3.x)

HPC/AI Server - AMD EPYC™ 9005/9004 - 3U DP HGX™ H100 4-GPU DLC

NVIDIA   AMD EPYC

Key Features

- Liquid-cooled NVIDIA HGX™ H100 4-GPU
- CPU+GPU direct liquid cooling solution
- 4th-generation NVIDIA NVLink™ 900GB/s
- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen5 NVMe/SATA/SAS hot-swap bays
- 4 x 2.5" Gen5 NVMe hot-swap bays
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 6 x LP PCIe Gen5 x16 slots
- 2+1 3000W 80 PLUS Titanium redundant power supplies

Applications

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

Specification

Dimensions	3U (W448 x H131 x D850.2 mm)	**Modular GPU**	Liquid-cooled NVIDIA HGX™ H100 with 4 x SXM5 GPUs
Motherboard	MZ83-HD1	**PCIe Expansion Slots**	6 x LP PCIe Gen5 x16 ***The ambient temperature is limited to 30°C when NVIDIA® BlueField®-3 DPUs/SuperNIC™ are installed.**
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 400W		
OS Compatibility	OS Support List	**I/O Ports**	**Front:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN (default) **Rear:** 2 x RJ45, 1 x MLAN
Socket	2 x LGA 6096 (Socket SP5)		
Chipset	System on Chip	**Backplane Board**	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	**TPM**	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
LAN	**Front:** 2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN **Rear:** 2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN	**Power Supply**	2+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V ***The system power supply requires C19 power cord.**
		System Fans	4 x 80x80x80mm
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	**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.**
Storage	**Front hot-swap:** 4 x 2.5" Gen5 NVMe/SATA/**SAS** [1] 4 x 2.5" Gen5 NVMe **Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen4 x4 [1] SAS card is required to support SAS drives.		
		Packaging Content	1 x G363-ZR0-LAX1 1 x Mini-DP to D-Sub cable 1 x L-shape Rail kit
		Ordering Part Numbers	6NG363ZR0DR000LCX1*
RAID	Require RAID add-in cards		

Designed by

GIGA COMPUTING