G293-Z22-AAP1

HPC/AI Server - 2U UP 8 x PCIe Gen5 GPUs

AMD EPYC

Windows Server 2022 Certified

Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Single AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 12 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 4 x 2.5" Gen5 NVMe/SATA/SAS hot-swap bays
- 4 x 2.5" SATA/SAS hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 8 FHFL PCIe Gen5 x16 slots for GPUs
- 2 x LP PCIe Gen5 x16 slots for add-in cards
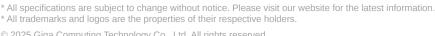- Dual 3000W 80 PLUS Titanium redundant power supply

Applications

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

Specification

Dimensions	2U (W448 x H87.5 x D800 mm)	PCIe Expansion Slots	8 x FHFL PCIe Gen5 x16, for GPUs 2 x LP PCIe Gen5 x16
Motherboard	MZ23-G20	I/O Ports	**Rear:** 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 300W [1] [1] The EPYC 9005 series processors with a cTDP of 300W are supported only under ambient temperatures of 30°C.	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
		TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
OS Compatibility	OS Support List	Power Supply	Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V **The system power supply requires C19 power cord.
Socket	1 x LGA 6096 (Socket SP5)		
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	System Fans	8 x 80x80x38mm (18,300rpm)
LAN	2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C~35°C, 8%~80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Packaging Content	1 x G293-Z22-AAP1 1 x CPU heatsink 4 x GPU power cables (12VHPWR, 250mm) 4 x GPU power cables (12VHPWR, 280mm) 1 x L-shape Rail kit
Storage	**Front hot-swap:** 4 x 2.5" Gen5 NVMe/SATA/**SAS** [1] 4 x 2.5" SATA/**SAS** [1] **Internal M.2:** 2 x M.2 (2280/22110), PCIe Gen5 x4 [1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NG293Z22DR000ACP1*
		Optional Parts	- C19 power cord 125V/15A (US): 25CP1-018000-Q0R - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R
RAID	Require RAID add-in cards		

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