GIGABYTE[™]

G293-Z20-AAP1

HPC/AI Server - 2U UP 8 x PCIe Gen4 GPUs



Key Features

- Supports up to 8 x Dual slot Gen4 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 x FHFL PCIe Gen4 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...

AMDZ EBAC

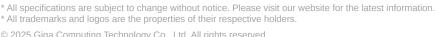
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| Dimensions2U (W448 x H87.5 x D800 mm)PCIe Expansion Slots8 x FHFL PCIe Gen4 x16, for G 2 x LP PCIe Gen5 x16MotherboardMZ23-G20I/O PortsRear: 2 x USB 3.2 Gen1, 1 x VGA, 2 xCPUAMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors AMD EPYC™ 9004 Series ProcessorsI/O PortsRear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x | PUs | |
|---|------------------------|--|
| Motherboard MZ23-G20 CPU AMD EPYC [™] 9005 Series Processors I/O Ports Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x | | |
| CPUAMD EPYC™ 9005 Series Processors2 x USB 3.2 Gen1, 1 x VGA, 2 x | | |
| | (RJ45, 1 x MLAN | |
| Single processor, cTDP up to 300W ^[1] Backplane Board PCIe Gen5 x4 or SATA 6Gb/s o | r SAS 12Gb/s | |
| ^[1] The EPYC 9005 series processors with a cTDP of 300W are supported only under ambient temperatures of 30°C. TPM 1 x TPM header (SPI), Optional | TPM2.0 kit: CTM010 | |
| OS Compatibility OS Support List Power Supply Dual 3000W 80 PLUS Titanium AC Input: 100-240V | redundant power supply | |
| Socket 1 x LGA 6096 (Socket SP5) *The system power supply requires C | 19 power cord. | |
| Chipset System on Chip System on System on Chip ASPEED® AST2600 Baseboard Management GIGABYTE Management Const | | |
| Memory 12-Channel DDR5 RDIMM, 12 x DIMMs [EPYC 9005] Up to 6400 MT/s System Fans 8 x 80x80x38mm (18,300rpm) | | |
| [EPYC 9004] Up to 4800 MT/s | | |
| LAN 2 x 10Gb/s LAN (1 x Broadcom [®] BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN Operating: -40°C~60°C, 20 | | |
| Packaging Content 1 x G293-Z20-AAP1 | | |
| Video Integrated in ASPEED® AST2600 1 x CPU heatsink - 1 x VGA port 8 x GPU power cables (12VHP) 1 x L shares Bail kit 1 x L shares Bail kit | WR, 250mm) | |
| Storage Front hot-swap: | | |
| 4 x 2.5" Gen5 NVMe/SATA/SAS ^[1] Ordering Part 6NG293Z20DR000ACP1* 4 x 2.5" SATA/SAS ^[1] Numbers 6NG293Z20DR000ACP1* | | |
| Internal M.2: 2 x M.2 (2280/22110), PCIe Gen5 x4 | | |
| ^[1] SAS card is required to support SAS drives. | | |
| RAID Require RAID add-in cards | | |



Specification

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







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