## **GIGABYTE**<sup>™</sup>

# G293-Z22-AAP1

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



### Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Single AMD EPYC<sup>™</sup> 9004 Series Processors
- 12-Channel DDR5 RDIMM, 12 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Broadcom<sup>®</sup> 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 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

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

Certified

Dimensions2U (W448 x H87.5 x D800 mm)PCIe Expansion Slots8 x FHFL PCIe Gen5 x16, for GPUs 2 x LP PCIe Gen5 x16MotherboardMZ23-G20I/O PortsRear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLANCPUAMD EPYC™ 9004 Series Processors single processor, cTDP up to 300WBackplane BoardPCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/sOS CompatibilityOS Support ListTPM1 x TPM header (SPI), Optional TPM2.0 kit: CTMO 2 x LDB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLANSocket1 x LGA 6096 (Socket SP5)TPM1 x TPM header (SPI), Optional TPM2.0 kit: CTMO 2 x LDB 2 down and a processor codeChipsetSystem on ChipDual 3000W 80 PLUS Titanium redundant power varte system power supply requires C19 power cod.Memory12-Channel DDR5 RDIMM, 12 x DIMMS Up to 4800 MT/sSystemASPEED® AST2600 Baseboard Management Code GIGABYTE Management Console web interface Management LANVideoIntegrated in ASPEED® AST2600 -1 x VGA portSystem Fans8 x 80x80x38mm (18,300rpm)VideoIntegrated in ASPEED® AST2600 -1 x VGA portOperating PropertiesOperating: -40°C-60°C, 20%-95% (non-condensing Non-operating: -40°C	
CPU   AMD EPYC TM 9004 Series Processors Single processor, cTDP up to 300W   I/O Ports   Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN     OS Compatibility   OS Support List   Backplane Board   PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s     Socket   1 x LGA 6096 (Socket SP5)   TPM   1 x TPM header (SPI), Optional TPM2.0 kit: CTMO     Chipset   System on Chip   Dual 3000W 80 PLUS Titanium redundant power AC Input: 100-240V     Memory   12-Channel DDR5 RDIMM, 12 x DIMMs Up to 4800 MT/s   Power Supply   Dual 3000W 80 PLUS Titanium redundant power Cord.     LAN   2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN   System Fans   8 x 80x80x38mm (18,300rpm)     Video   Integrated in ASPEED® AST2600 -1 x VGA port   Operating Operating: -0°C-35°C, 8%-80% (non-condensing Non-operating: -40°C-60°C, 20%-95% (non-condensing	
CPU   AMD EPYCTM 9004 Series Processors Single processor, cTDP up to 300W   2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN     OS Compatibility   OS Support List   Backplane Board   PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s     Socket   1 x LGA 6096 (Socket SP5)   TPM   1 x TPM header (SPI), Optional TPM2.0 kit: CTMC     Chipset   System on Chip   Dual 3000W 80 PLUS Titanium redundant power AC Input: 100-240V *The system power supply requires C19 power cord.     Memory   12-Channel DDR5 RDIMM, 12 x DIMMS Up to 4800 MT/s   System   ASPEED® AST2600 Baseboard Management Console web interface System Fans   System Console web interface System Fans     Video   Integrated in ASPEED® AST2600 - 1 x VGA port   Operating Properties   Operating Properties   Operating: 10°C-35°C, 8%-80% (non-condensing Properties C19-0°C, 20%-95% (non-condensing Properties	
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Chipset   System on Chip   AC Input: 100-240V     Memory   12-Channel DDR5 RDIMM, 12 x DIMMs Up to 4800 MT/s   ASPEED® AST2600 Baseboard Management Console web interface     LAN   2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN   System Fans   8 x 80x80x38mm (18,300rpm)     Video   Integrated in ASPEED® AST2600 - 1 x VGA port   Operating: 10°C~35°C, 8%~80% (non-condensing Properties   Operating: -40°C~60°C, 20%~95% (non-condensing	sunnly
Memory   12-Channel DDR5 RDIMM, 12 x DIMMs Up to 4800 MT/s   System   ASPEED® AST2600 Baseboard Management Con GIGABYTE Management Console web interface     LAN   2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN   System   ASPEED® AST2600 Baseboard Management Con GIGABYTE Management Console web interface     Video   Integrated in ASPEED® AST2600 - 1 x VGA port   Operating roperties   Operating: 10°C-35°C, 8%-80% (non-condensing Properties	Juppij
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Video Integrated in ASPEED® AST2600 Operating Operating: 10°C~35°C, 8%~80% (non-condensing   - 1 x VGA port Properties Non-operating: -40°C~60°C, 20%~95% (non-condensing)	
- 1 x VGA port Properties Non-operating: -40°C~60°C, 20%~95% (non-cond	
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	lensing)
Storage   Front hot-swap:   Packaging Content   1 x G293-Z22-AAP1     4 x 2.5" Gen5 NVMe/SATA/SAS <sup>[1]</sup> 1 x CPU heatsink   1 x CPU heatsink     4 x 2.5" SATA/SAS <sup>[1]</sup> 4 x GPU power cables (12VHPWR, 250mm)     Internal M.2:   2 x M.2 (2280/22110), PCIe Gen5 x4   4 x GPU power cables (12VHPWR, 280mm)     1 x L-shape Rail kit   1 x L-shape Rail kit	
RAID Require RAID add-in cards Ordering Part 6NG293Z22DR000AAP1*	



Specification

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

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