

# G293-S45-AAP1

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

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## Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- 8-Channel DDR5 RDIMM, 16 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 8 x 2.5" SATA/SAS hot-swappable bays
- 8 x FHFL PCIe Gen5 x16 for GPUs
- 2 x LP PCIe Gen5 x16 slots for add-in cards
- Dual 3000W 80 PLUS Titanium redundant power supply

## Application

AI, AI Inference, AI Training, Visual Computing, HPC...

## Specification

<b>Dimensions</b>	2U (W448 x H87.5 x D800 mm)	<b>TPM</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>Motherboard</b>	MS43-G21	<b>Power Supply</b>	Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V
<b>CPU</b>	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors CPU TDP up to 225W	<b>System Management</b>	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Socket</b>	2 x LGA 4677 (Socket E)	<b>OS Compatibility</b>	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 8.9 / 8.10 / 9.0 / 9.1 / 9.2 / 9.3 / 9.4 SLES 15 SP4 / SP5 / SP6 Ubuntu 22.04 / 22.04.1 / 22.04.2 / 22.04.3 / 22.04.4 / 24.04 LTS VMware ESXi 7.0 Update 3o / 8.0 Update 1, Update 2, Update 3 Citrix Hypervisor 8.2 LTSR CU1
<b>Chipset</b>	Intel® C741 Chipset	<b>System Fans</b>	8 x 80x80x38mm (18,300rpm)
<b>Memory</b>	8-Channel DDR5 memory, 16 x DIMM slots RDIMM up to 96GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 5600 MT/s	<b>Operating Properties</b>	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
<b>LAN</b>	2 x 10Gb/s LAN ports (1 x Broadcom® BCM57416) Supported NCSI function 1 x 10/100/1000 management LAN	<b>Packaging Content</b>	1 x G293-S45-AAP1, 2 x CPU heatsinks, 6 x Carrier clips, 8 x GPU power cables (12VHPWR), 1 x L-shape Rail kit Packaging Dimensions: 1133 x 724 x 261 mm
<b>Video</b>	ASPEED® AST2600 Integrated 2D Graphic Adapter	<b>Part Numbers</b>	Barebone package (5th/4th Gen): 6NG293S45DR000ABP1* Barebone package (4th Gen): 6NG293S45DR000AAP1*  - L-shape Rail kit: 25HB2-A86102-K0R - CPU heatsink: 25ST1-35320F-C1R/25ST1-453207-C1R - Power supply: 25EP0-230005-G1S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional) - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R (optional) - NVMe cable (MCIO 8i to 2x MCIO 4i): 25CF9-350705-A4R (optional) - NVMe cable (MCIO 4i to MCIO 4i): 25CF9-700050-A4R (optional) - RMA packaging: 6NG293S41SR-RMA-A100 (optional)
<b>Storage</b>	8 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays *SAS card is required to support SAS drives. Note: NVMe support requires additional NVMe cables and occupies PCIe slots.		
<b>RAID</b>	Intel® SATA RAID 0/1/10/5 Support optional RAID add-in cards		
<b>Expansion Slots</b>	8 x PCIe Gen5 x16 FHFL slots for GPUs 2 x PCIe Gen5 x16 low-profile slots		
<b>Internal I/O</b>	1 x TPM header, 1 x VROC connector		
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN		
<b>Backplane I/O</b>	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s		



Learn more about GIGABYTE server at <https://www.gigabyte.com/Enterprise>

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