

R283-SF0-AAL1

Rack Server - 2U DP 4 x PCIe Gen5 GPUs (12 drives)



Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture supported
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- Dual 2700W 80 PLUS Titanium redundant power supply

Application

AI, AI Training, AI Inference, Visual Computing, High-Performance Computing, Networking, Hybrid/Private Cloud Server...

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Motherboard	MSF3-GP0	Power Supply	Dual 2700W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
CPU	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 350W	System Management	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Socket	2 x LGA 4677 (Socket E)	OS Compatibility	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
Chipset	Intel® C741 Chipset	System Fans	1 x 40x40x28mm (34,000rpm), 4 x 80x80x38mm (18,300rpm)
Memory	32 x DIMM slots, 8-Channel DDR5 memory RDIMM up to 96GB supported 3DS RDIMM up to 256GB supported Memory speed: Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC)	Operating Properties	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)
LAN	1 x 10/100/1000 Mbps Management LAN	Packaging Content	1 x R283-SF0-AAL1, 2 x CPU heatsinks, 6 x Carrier clips, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit 4 x GPU power cables (12VHPWR) Packaging Dimensions: 1077 x 679 x 300 mm
Video	ASPEED® AST2600 Integrated 2D Graphic Adapter	Part Numbers	Barebone package (5th/4th Gen): 6NR283SF0DR000ABL1* Barebone package (4th Gen): 6NR283SF0DR000AAL1* - 2-Section Rail kit (CMA not supported): 25HB2-3A0206-K0R - CPU heatsink: 25ST1-4Z3200-S7R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-227000-D0S - 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)
Storage	12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays *SAS card is required for SAS devices support		
RAID	Intel® SATA RAID 0/1/10/5		
Expansion Slots	4 x FHFL PCIe Gen5 x16 slots for GPUs 1 x FHHL PCIe Gen5 x16 slot 1 x OCP 3.0 Gen5 x16 slot - Supporte NCSI function		
I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN Internal: 1 x TPM header, 1 x VROC connector		
Backplane Board	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s		



Learn more at <https://www.GIGABYTE.com/enterprise>

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