

R283-P93-AAL1

Rack Arm Server - 2U DP 12-Bay Gen4 NVMe/SATA/SAS



Features

- Supports up to 2 x Dual slot Gen5 GPU cards
- AmpereOne™ Family
- Dual processor, 5nm technology
- 8-Channel RDIMM DDR5, 32 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN and 1 x MLAN ports
- 4 x Gen4 NVMe/SATA and 8 x SATA 3.5"/2.5" hot-swap bays
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 2 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x LP PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 2700W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	2U (W438 x H43.5 x D815 mm)	Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
Motherboard	MP93-FS0	Backplane I/O	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
CPU	AmpereOne™ Family Dual processor, 5nm technology Up to 192 custom cores per processor 2 x LGA 5964, TDP up to 400W	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Chipset	System on Chip	Power Supply	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Memory	32 x DDR5 DIMM slots 8-Channel memory architecture ECC DIMM modules up to 512GB supported Memory speed: Up to 4800 MHz	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
LAN	2 x 1Gb/s LAN ports (Intel® I350-AM2) - Supports NCSI function 1 x 10/100/1000 Mbps management LAN	OS Compatibility	Red Hat Enterprise Linux server 9.0 Ubuntu 22.04 LTS Fedora 36 Oracle 9.0 Debian 11
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	4 x 80x80x38mm (18,300rpm)
Storage	4 x 3.5"/2.5" Gen4 NVMe/SATA/SAS hot-swappable bays 8 x 3.5"/2.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support	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)
Expansion Slots	2 x FHFL PCIe Gen5 x16 slots for GPUs 2 x FHHL PCIe Gen5 x16 slots 2 x LP PCIe Gen5 x16 slots 2 x OCP 3.0 slots with PCIe Gen5 x16 bandwidth (Supports NCSI) 1 x M.2 slot: M-key, PCIe Gen5 x4, supports 2280/22110 cards	Packaging Content	1 x R283-P93, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit
Front I/O	2 x USB 3.2 Gen1	Reference Numbers	Barebone package: 6NR283P93DR000AAL1* - Motherboard: 9MP93FS0UR-000 - 2-Section Rail kit: 25HB2-3A0206-K0R - Power supply module: 25EP0-227000-D0S



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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