

R183-P92-AAE1

Rack Arm Server - 1U DP 12-Bay Gen4 NVMe/SATA/SAS



Features

- AmpereOne™ Family
- Dual processor, 5nm technology
- 8-Channel RDIMM DDR5, 32 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 12 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 2000W 80 PLUS Platinum redundant power supplies

Specification

Dimensions	1U (W438 x H43.5 x D815 mm)	Backplane I/O	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
Motherboard	MP93-FS0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AmpereOne™ Family Dual processor, 5nm technology Up to 192 custom cores per processor 2 x LGA 5964, TDP up to 400W	Power Supply	1+1 2000W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	32 x DDR5 DIMM slots 8-Channel memory architecture ECC DIMM modules up to 512GB supported Memory speed: Up to 4800 MHz	OS Compatibility	Red Hat Enterprise Linux server 9.0 Ubuntu 22.04 LTS Fedora 36 Oracle 9.0 Debian 11
LAN	2 x 1Gb/s LAN ports (Intel® I350-AM2) - Supports NCSI function 1 x 10/100/1000 Mbps management LAN	System Fans	8 x 40x40x56mm (32,000rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	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)
Storage	12 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays SAS card is required for SAS devices support	Packaging Content	1 x R183-P92, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit
Expansion Slots	2 x FHHL 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	Reference Numbers	Barebone package: 6NR183P92DR000AAE1* - Motherboard: 9MP93FS0UR-000 - 2-Section Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-453102-C1R - Power supply: 25EPO-22000A-L0S
Front I/O	1 x USB 3.2 Gen1		
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN		



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

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