

R163-P32-AAH1

Rack Arm Server - AmpereOne® Family Processors -
1U UP 12-Bay Gen5 NVMe/SATA/SAS-4 Titanium



Key Features

- Single AmpereOne® Family Processors
- 8-Channel DDR5 RDIMM per CPU with 16 x DIMMs
- 1 x 1 Gb/s LAN port via Intel® I210-AT
- 12 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen5 x4
- 2 x FHHL PCIe x16 slots with Gen5 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 1300 W 80 PLUS Titanium redundant power supplies

Applications

Networks Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	1U (W438 x H43.5 x D710 mm)	I/O Ports	Front: 1 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN
Motherboard	MP33-DC0	Backplane Board	PCIe Gen5 x4 or SATA 6 Gb/s or SAS-4 24 Gb/s
CPU	AmpereOne® Family Processors Single processor, TDP up to 400 W	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
OS Compatibility	OS Support List	Power Supply	1+1 1300 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
Socket	1 x LGA 5964	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Chipset	System on Chip	System Fans	2 x 40x40x28mm 4 x 40x40x56mm
Memory	8-Channel DDR5 RDIMM, 16 x DIMMs Up to 5200 MT/s, 4400 MT/s (2R 2DPC)	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	1 x 1 Gb/s LAN (1 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Packaging Content	1 x R163-P32-AAH1 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x Carrier 1 x 2-Section Rail kit
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Ordering Part Numbers	6NR163P32DR000ABH1*
Storage	Front hot-swap: 12 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Internal M.2: 1 x M.2 (2280/22110), PCIe Gen5 x4 ^[1] SAS card is required to support SAS drives.	Optional Parts	- 3-Section Rail kit (Supports CMA): 25HB2-A56120-KOR - Cable Management Arm: 25HBZ-R18100-KOR
RAID	Require RAID add-in cards		
PCIe Expansion Slots	2 x FHHL x16 (Gen5 x16) 1 x OCP NIC 3.0 (Gen5 x16), Support NCSI		



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

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