

# R163-P32-AAC1

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



### Features

- AmpereOne™ Family
- Single processor, 5nm technology
- 8-Channel RDIMM DDR5, 16 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port
- 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
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 1300W 80 PLUS Platinum redundant power supplies

### Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D710 mm)	<b>Backplane I/O</b>	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
<b>Motherboard</b>	MP33-DC0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	AmpereOne™ Family Single processor, 5nm technology Up to 192 custom cores per processor 1 x LGA 5964, TDP up to 400W	<b>Power Supply</b>	1+1 1300W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	16 x DDR5 DIMM slots 8-Channel memory architecture ECC DIMM modules up to 512GB supported Memory speed: Up to 4800 MHz	<b>OS Compatibility</b>	Red Hat Enterprise Linux server 9.0 Ubuntu 22.04 LTS Fedora 36 Oracle 9.0 Debian 11
<b>LAN</b>	1 x 1Gb/s LAN port (Intel® I210-AT) - Supports NCSI function 1 x 10/100/1000 Mbps management LAN	<b>System Fans</b>	4 x 40x40x56mm (32,000rpm) 4 x 40x40x28mm (25,000rpm)
<b>Video</b>	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200 @60Hz 32bpp, DDR4 SDRAM	<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>Storage</b>	12 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays SAS card is required for SAS devices support	<b>Packaging Content</b>	1 x R163-P32 1 x CPU heatsink 1 x 2-Section Rail kit
<b>Expansion Slots</b>	2 x FHHL PCIe Gen5 x16 slots 1 x OCP 3.0 slot with PCIe Gen5 x16 bandwidth (Supports NCSI) 1 x M.2 slot: M-key, PCIe Gen5 x4, supports 2280/22110 cards	<b>Reference Numbers</b>	Barebone package: 6NR163P32DR000AAC1* - Motherboard: 9MP33DC0UR-000 - 2-Section Rail kit: 25HB2-3A0203-K0R - Power supply module: 25EP0-213004-F3S
<b>Front I/O</b>	1 x USB 3.2 Gen1		
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN		



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

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