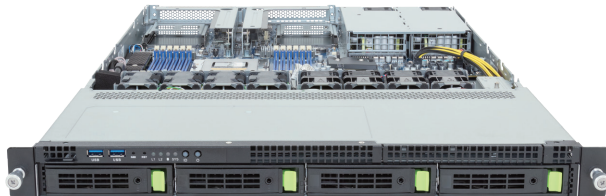


# R163-Z34-AAH1

Rack Server - 1U UP 4-Bay NVMe/SATA



## Key Features

- Single AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 12 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port via Intel® I210-AT
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 2 x 1300W 80 PLUS Titanium redundant power supply

## Application

Networking, Hybrid/Private Cloud Server...

## Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D710 mm)	<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN
<b>Motherboard</b>	MZ33-DC1	<b>Backplane Board</b>	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
<b>CPU</b>	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 400W - At 25°C ambient, cTDP up to 500W	<b>Security Modules</b>	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM012
<b>Socket</b>	1 x LGA 6096 (Socket SP5)	<b>Power Supply</b>	2 x 1300W 80 PLUS Titanium redundant power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>Memory</b>	12-Channel DDR5 RDIMM 12 x DIMM slots [EPYC 9005] Up to 6000 MT/s [EPYC 9004] Up to 4800 MT/s	<b>OS Support</b>	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
<b>LAN</b>	1 x 1Gb/s LAN (1 x Intel® I210-AT) - Supports NCSI function 1 x 10/100/1000 Mbps Management LAN	<b>System Fans</b>	4 x 40x40x28mm (25,000rpm) 4 x 40x40x56mm (38,000rpm)
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<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>	Front hot-swap: 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 *SAS card is required to support SAS drives. Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x4	<b>Packaging Content</b>	1 x R163-Z34-AAH1, 1 x CPU heatsink, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit, Packaging Dimensions: 1038 x 588 x 238 mm
<b>RAID</b>	Require RAID add-in cards	<b>Part Numbers</b>	Barebone package: 6NR163Z34DR000ACH1* Optional parts: - 3-Section Rail kit (Supports CMA): 25HB2-A56120-K0R - Cable Management Arm: 25HBZ-R18100-K0R
<b>Expansion Slots</b>	2 x FHHL PCIe Gen5 x16 slots 2 x OCP NIC 3.0 PCIe Gen5 x16 slots - Supports NCSI function		



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

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