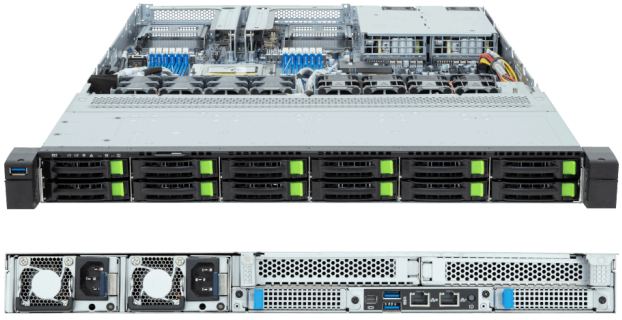
GIGABYTE™

R163-Z35-AAH1 (Rev. 1.x)

Rack Server - AMD EPYC™ 9004 Server Processors - 1U, UP, 12-Bay Gen5 NVMe/SATA/SAS-4, Titanium



Key Features

- Single AMD EPYC™ 9004 Server processors
- 12-Channel DDR5 RDIMM per CPU with 12 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 Gen3 x4
- 2 x FHHL PCIe x16 slots with Gen5 x16 lanes
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Compatible with SupremeRAID™ by Graid Technology
- 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)
Motherboard	MZ33-DC1
CPU	AMD EPYC™ 9005 Server processors AMD EPYC™ 9004 Server processors Single processor, cTDP up to 300 W [1] [1] cTDP supported up to 400 W under limited thermal conditions.
OS Compatibility	OS Support List
Socket	1 x LGA 6096 (Socket SP5)
Chipset	System on Chip
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs Up to 4800 MT/s
LAN	1 x 1 Gb/s LAN (1 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP
Storage	**Front hot-swap:** 12 x 2.5" Gen5 NVMe/SATA/**SAS-4** [1] **Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen3 x4 [1] SAS card is required to support SAS drives.
RAID	Require RAID add-in cards **Optional compatible RAID Cards:** NVMe/NVMe-oF RAID Cards with SupremeRAID™ by Graid Technology RAID Card models: SR-1000-FD32 Support RAID 0/1/5/6/10

PCIe Expansion Slots	2 x FHHL x16 (Gen5 x16) 2 x OCP NIC 3.0 (Gen5 x16), Support NCSI
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
Backplane Board	PCIe Gen5 x4 or SATA 6 Gb/s or SAS-4 24 Gb/s
TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Power Supply	1+1 1300 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
System Fans	4 x 40x40x28mm 4 x 40x40x56mm
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)
Packaging Content	1 x R163-Z35-AAH1 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x 2-Section Rail kit
Ordering Part Numbers	6NR163Z35DR000ABH1*
Optional Parts	- RAID card (SR-1000-FD32): 25FC1-SRBUN0-AFS - 3-Section Rail kit (Supports CMA): 25HB2-A56120-K0R - Cable Management Arm: 25HBZ-R18100-K0R

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

* All specifications are subject to change without notice. Please visit our website for the latest information.
* All trademarks and logos are the properties of their respective holders.
© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Nov 3, 2026

Designed by GIGA COMPUTING