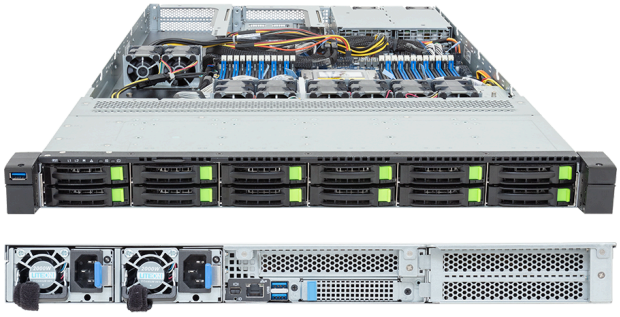
GIGABYTE™

R163-ZG2-AAJ2

Rack Server - 1U UP 1 x PCIe Gen5 GPU

AMD EPYC



Key Features

- Supports 1 x Dual slot Gen5 GPU
- Single AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- Dual ROM Architecture
- 12 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen3 x2 interface
- 1 x FHFL PCIe Gen5 x16 slot for GPUs
- 1 x FHFL PCIe Gen5 x16 slot
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 2000W 80 PLUS Titanium redundant power supplies

Applications

AI Platform, AI Inference Server, Visual Computing, Networks Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	1U (W438 x H43.5 x D815 mm)
Motherboard	MZG3-GU0
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 400W - At 25°C ambient, cTDP up to 500W
OS Compatibility	OS Support List
Socket	1 x LGA 6096 (Socket SP5)
Chipset	System on Chip
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 5200 MT/s (1DPC), Up to 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)
LAN	1 x 10/100/1000 Mbps 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:** 2 x M.2 (2280/22110), PCIe Gen3 x2 [1] SAS card is required to support SAS drives.
RAID	Require RAID add-in cards

PCIe Expansion Slots	1 x FHFL PCIe Gen5 x16, for GPUs 1 x FHFL PCIe Gen5 x16 [1] 1 x FHHL PCIe Gen5 x16 1 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI [1] Blocked when a Dual slot GPU is installed.
I/O Ports	**Front:** 1 x USB 3.2 Gen1 **Rear:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN
Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012
Power Supply	1+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
System Fans	2 x 40x40x56mm (32,000/28,000rpm) 6 x 40x40x56mm (38,300/35,300rpm)
Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Packaging Content	1 x R163-ZG2-AAJ2 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x GPU power cable (12VHPWR, 400mm) 1 x 2-Section Rail kit
Ordering Part Numbers	6NR163ZG2DR000ACJ2*
Optional Parts	- 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-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.
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