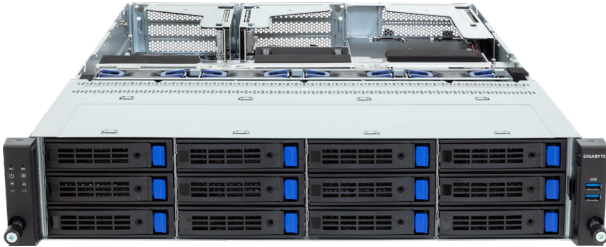# GIGABYTE™

R243-E33-AAL1

Rack Server - 2U UP 3 x PCIe Gen5 GPUs

AMD EPYC

Features

- Supports up to 3 x Dual slot Gen5 GPUs
- AMD EPYC™ 8004 Series processors
- Single processor, 5nm technology
- 6-Channel RDIMM DDR5, 12 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port
- 1 x Dedicated management port
- 12 x 3.5"/2.5" SATA/SAS4 hot-swappable bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 3 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 2700W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)
Motherboard	ME33-DC0
CPU	AMD EPYC™ 8004 Series processors Single processor, 5nm technology cTDP up to 225W
Socket	1 x LGA 4844 (Socket SP6)
Chipset	System on Chip
Memory	12 x DIMM slots 6-Channel DDR5 memory architecture RDIMM modules up to 96GB supported Memory speed: Up to 4800 MHz (1DPC), 3600 MHz (2DPC)
LAN	1 x 1Gb/s LAN port (Intel I210-AT) - Supports NCSI function 1 x 10/100/1000 Mbps Management LAN
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	12 x 3.5"/2.5" SATA/SAS4 hot-swappable bays SAS card is required for SAS devices support
RAID	N/A
Expansion Slots	3 x FHFL PCIe Gen5 x16 slots for GPUs 2 x OCP 3.0 Gen5 x16 slots 1 x M.2 slot: M-key, PCIe Gen3 x4, supports 2280/22110 cards
Front I/O	2 x USB 3.2 Gen1
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN

Backplane Board	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Power Supply	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
OS Compatibility	Windows Server 2019 / 2022 21H2 RHEL 8.6 / 9.1 (x64) SLES 15 SP4 Ubuntu 20.04.6 / 22.04 LTS (x64) VMware ESXi 8.0 Update 1 Citrix Hypervisor 8.2 LTSR CU1
System Fans	4 x 80x80x38mm (18,300rpm)
Operating Properties	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)
Packaging Content	1 x R243-E33 1 x CPU heatsink 1 x Mini-DP to D-Sub cable 1 x 2-Section Rail kit
Part Numbers	Barebone package: 6NR243E33DR000AAL1* - Motherboard: 9ME33DC0UR-000 - CPU heatsink: 25ST1-44320G-A0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-227000-D0S - 2-Section Rail kit (CMA not supported): 25HB2-3A0203-K0R

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

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