

R243-EG0-AAL1

Rack Server - 2U UP 12-Bay SATA/SAS



Features

- Supports 4 x Dual slot Gen5 GPU cards
- AMD EPYC™ 8004 Series processors
- Single processor, 5nm technology
- 6-Channel RDIMM DDR5, 12 x DIMMs
- Dual ROM Architecture
- 1 x Dedicated management port
- 12 x 3.5"/2.5" SATA/SAS hot-swappable bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 2700W (240V) 80 PLUS Titanium redundant power supplies

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	Backplane I/O	SATA 6Gb/s or SAS 12Gb/s
Motherboard	MEG3-GU0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 8004 Series processors Single processor, 5nm technology Up to 64-core, 128 threads per processor cTDP up to 225W	Power Supply	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	12 x DIMM slots DDR5 memory supported only 6-Channel memory architecture RDIMM modules up to 96GB supported Memory speed: Up to 4800 MHz (1DPC), 3600 MHz (2DPC)	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP5 (x64) Ubuntu 20.04.5 / 20.04.6 / 22.04 / 22.04.1 / 22.04.2 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 Citrix Hypervisor 8.2 LTSR CU1
LAN	1 x 10/100/1000 management LAN	System Fans	4 x 80x80x38mm (18,300rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	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)
Storage	12 x 3.5"/2.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support	Packaging Content	1 x R243-EG0, 1 x CPU heatsink, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit
Expansion Slots	4 x PCIe x16 (Gen5 x16) FHFL slots, for GPUs 1 x OCP 3.0 slot with PCIe Gen5 x16 bandwidth (Supports NCSI) 1 x M.2 slot: M-key, PCIe Gen3 x4, supports 2280/22110 cards	Reference Numbers	Barebone package: 6NR243EG0DR000AAF1* - Motherboard: 9MEG3GU0UR-000 - 2-Section Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-44320G-A0R - Power supply: 25EPO-227000-D0S
Front I/O	2 x USB 3.2 Gen1		
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		



Learn more about GIGABYTE server, visit www.gigabyte.com/Enterprise

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