

# R143-EG2-AAC2

Rack Server - 1U UP 8+4-Bay Gen4 NVMe/SATA/SAS



## Features

- AMD EPYC™ 8004 Series processors
- Single processor, 5nm technology
- 6-Channel RDIMM DDR5, 12 x DIMMs
- Dual ROM Architecture
- 1 x Dedicated management port
- 4 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 8 x 2.5" SATA/SAS hot-swap bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 2 x FHFL PCIe Gen5 x16 slots
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 1300W (240V) 80 PLUS Platinum redundant power supplies

## Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D815 mm)	<b>Backplane I/O</b>	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
<b>Motherboard</b>	MEG3-GU0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	AMD EPYC™ 8004 Series processors Single processor, 5nm technology Up to 64-core, 128 threads per processor cTDP up to 225W	<b>Power Supply</b>	1+1 1300W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	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)	<b>OS Compatibility</b>	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
<b>LAN</b>	1 x 10/100/1000 management LAN	<b>System Fans</b>	8 x 40x40x56mm (29,700rpm)
<b>Video</b>	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<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>	4 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays 8 x 2.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support	<b>Packaging Content</b>	1 x R143-EG2, 1 x CPU heatsink, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit
<b>Expansion Slots</b>	2 x PCIe x16 (Gen5 x16) FHFL slots 1 x PCIe x16 (Gen5 x16) FHHL slot 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	<b>Reference Numbers</b>	Barebone package: 6NR143EG2DR000AAC2* - Motherboard: 9MEG3GU0UR-000 - 2-Section Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-44320G-A0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EPO-213004-F3S
<b>Front I/O</b>	1 x USB 3.2 Gen1		
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		



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