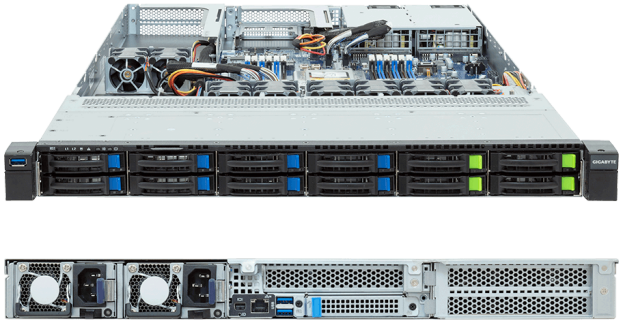
GIGABYTE™

# R143-EG2-AAC2

Rack Server - AMD EPYC™ 8005/8004 Server Processors - 1U UP 1 x PCIe Gen5 GPU



## Key Features

- Supports 1 x dual-slot Gen5 GPU
- Single AMD EPYC™ 8005/8004 Server Processors
- 6-Channel DDR5 RDIMM per CPU with 12 x DIMMs
- 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
- 1 x FHFL PCIe x16 slot with Gen5 x16 lanes for GPUs
- 1 x FHFL PCIe x16 slot with Gen5 x16 lanes
- 1 x FHHL PCIe x16 slot with Gen5 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 1+1 1300 W 80 PLUS Platinum 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** | MEG3-GU0 |
| **CPU** | AMD EPYC™ 8005 Server Processors<br>AMD EPYC™ 8004 Server Processors<br>Single processor, cTDP up to 225 W |
| **OS Compatibility** | OS Support List |
| **Socket** | 1 x LGA 4844 (Socket SP6) |
| **Chipset** | System on Chip |
| **Memory** | 6-Channel DDR5 RDIMM, 12 x DIMMs<br>[EPYC 8005] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC)<br>[EPYC 8004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC) |
| **LAN** | 1 x 10/100/1000 Mb/s Management LAN |
| **Video** | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP |
| **Storage** | **Front hot-swap:**<br>4 x 2.5" Gen4 NVMe/SATA/**SAS** [1]<br>8 x 2.5" SATA/**SAS** [1]<br>**Internal M.2:**<br>1 x M.2 (2280/22110), PCIe Gen3 x4<br><br>[1] SAS card is required to support SAS drives. |
| **RAID** | Require RAID add-in cards |
| **PCIe Expansion Slots** | 1 x FHFL x16 (Gen5 x16), for GPUs<br>1 x FHFL x16 (Gen5 x16) [1]<br>1 x FHHL x16 (Gen5 x16)<br>1 x OCP NIC 3.0 (Gen5 x16), Support NCSI<br><br>[1] Blocked when a dual-slot GPU is installed. |
| **I/O Ports** | **Front:**<br>1 x USB 3.2 Gen1<br>**Rear:**<br>2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN |
| **Backplane Board** | PCIe Gen4 x4 or SATA 6 Gb/s or SAS 12 Gb/s |
| **TPM** | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010 |
| **Power Supply** | 1+1 1300 W 80 PLUS Platinum redundant power supplies<br>AC Input: 100-240 V |
| **System Management** | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| **System Fans** | 8 x 40x40x56mm |
| **Operating Properties** | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing) |
| **Packaging Content** | 1 x R143-EG2-AAC2<br>1 x CPU heatsink<br>1 x Mini-DP to D-Sub cable<br>1 x GPU power cable (16-pin, 450mm)<br>1 x 2-Section Rail kit |
| **Ordering Part Numbers** | 6NR143EG2DR000ABC2* |
| **Optional Parts** | - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R<br>- Cable Management Arm: 25HB1-R18300-K0R |

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

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