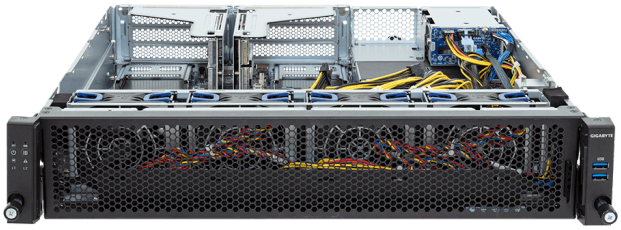
GIGABYTE™

# E243-E30-AAV1

Edge Server - AMD EPYC™ 8005/8004 Server Processors - 2U UP 2 x PCIe Gen5 GPUs Titanium PSU



## Key Features

- Supports up to 2 x dual-slot Gen5 GPUs
- Single AMD EPYC™ 8005/8004 Server Processors
- 6-Channel DDR5 RDIMM per CPU with 12 x DIMMs
- 1 x 1 Gb/s LAN port via Intel® I210-AT
- 2 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen3 x4
- 2 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPUs
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 1+1 1600 W 80 PLUS Titanium redundant power supplies

## Applications

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

## Specification

| | |
|---|---|
| **Dimensions** | 2U (W438 x H87.5 x D520 mm) |
| **Motherboard** | ME33-DC0 |
| **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 |
| **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 1 Gb/s LAN (1 x Intel® I210-AT), Supports NCSI<br>1 x 10/100/1000 Mb/s Management LAN |
| **Video** | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP |
| **Storage** | **Rear hot-swap:**<br>2 x 2.5" Gen5 NVMe/SATA**/SAS-4** [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** | 2 x FHFL x16 (Gen5 x16), for GPUs<br>2 x OCP NIC 3.0 (Gen5 x16), Support NCSI |
| **I/O Ports** | **Front:**<br>2 x USB 3.2 Gen1<br>**Rear:**<br>2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN |
| **Backplane Board** | PCIe Gen5 x4 or SATA 6 Gb/s or SAS-4 24 Gb/s |
| **TPM** | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010 |
| **Power Supply** | 1+1 1600 W 80 PLUS Titanium redundant power supplies<br>AC Input: 100-240 V |
| **System Management** | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| **System Fans** | 4 x 80x80x38mm |
| **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 E243-E30-AAV1<br>1 x CPU heatsink<br>1 x Mini-DP to D-Sub cable<br>1 x GPU power cable (16-pin, 360mm)<br>1 x GPU power cable (16-pin, 490mm) |
| **Ordering Part Numbers** | 6NE243E30DR000ABV1* |
| **Optional Parts** | - 2-Section Rail kit (385-480mm): 25HB2-3A0204-K0R **(MOQ: 500)**<br>- 2-Section Rail kit (660-840mm): 25HB2-3A0203-K0R |

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

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