

R143-E30-AAG1

Rack Server - 1U UP 4-Bay Gen5 NVMe/SATA/SAS4



Features

- 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
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 850W 80 PLUS Titanium redundant power supplies

Specification

Dimensions 1U (W438 x H43.5 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 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays
SAS card is required for SAS devices support

RAID N/A

Expansion Slots 2 x FHHL PCIe Gen5 x16 slots
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 850W 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 40x40x56mm (29,700rpm)
2 x 40x40x28mm (25,000rpm)

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 R143-E30, 1 x CPU heatsink, 1 x Mini-DP to D-Sub cable,
1 x 2-Section Rail kit

Part Numbers Barebone package: 6NR143E30DR000AAG1*
- Motherboard: 9ME33DC0UR-000
- 2-Section Rail kit (CMA not supported): 25HB2-3A0203-K0R
- CPU heatsink: 25ST1-44320G-A0R
- Mini-DP to D-Sub cable: 25CRN-200801-K1R
- Power supply: 25EP0-208503-D0S



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

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