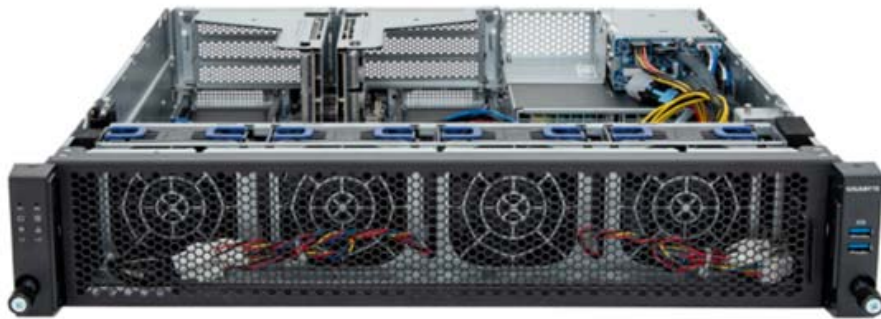# E263-Z30-AAD1

Edge Server - AMD EPYC™ 9004 - 2U UP 2 x PCIe Gen5 GPUs

[# AI](#)   [# AI Training](#)   [# AI Inference](#)   [# Visual Computing](#)   [# Networking](#)   [# Edge](#)   [# Hybrid/Private Cloud Server](#)

- Supports up to 2 x Dual slot Gen5 GPUs
- Single AMD EPYC™ 9004 Series Processors (with AMD 3D V-Cache™ Technology)
- 12-Channel DDR5 RDIMM, 12 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port via Intel® I210-AT
- 2 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays on the rear side
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 2 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 1600W 80 PLUS Platinum redundant power supplies

Dimensions (WxHxD, mm)

2U
438 x 87.5 x 520

Motherboard

MZ33-DC0

CPU

AMD EPYC™ 9004 Series Processors
AMD EPYC™ 9004 Series Processors with AMD 3D V-Cache™ Technology
Single processor, 5nm technology
*Up to 128 cores, 256 threads
cTDP up to 300W at ambient 35°C

*cTDP supported up to 400W under limited thermal conditions. Please contact technical support for more details.

Socket

1 x LGA 6096
Socket SP5

Chipset

System on Chip

Memory

12 x DIMM slots
DDR5 memory supported only
12-Channel memory architecture
RDIMM up to 96GB supported
3DS RDIMM up to 256GB supported
Memory speed: Up to 4800 MT/s

LAN

Rear side:
1 x 1Gb/s LAN port (1 x 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

Rear side:
2 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays

SAS card is required for SAS devices support

SAS

Depends on SAS add-in cards

RAID

N/A

Expansion Slots

Riser Card CRS201M:
- 1 x PCIe x16 (Gen5 x16) FHFL slot, for GPUs

Riser Card CRS201H:
- 1 x PCIe x16 (Gen5 x16) FHFL slot, for GPUs

2 x OCP 3.0 slots with PCIe Gen5 x16 bandwidth
Support NCSI function

1 x M.2 slot:
- M-key
- PCIe Gen3 x4
- Supports 2280/22110 cards

Note: Please refer to optional parts for H100/A100/MI210 power cables.

Internal I/O

1 x TPM header

Front I/O

2 x USB 3.2 Gen1
1 x Power button with LED
1 x ID button with LED
1 x NMI button
1 x Reset button
1 x LAN activity LED
1 x Storage activity LED
1 x System status LED

Rear I/O

2 x USB 3.2 Gen1
1 x Mini-DP
1 x RJ45
1 x MLAN
1 x ID button with LED

Speed and bandwidth:
PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s

TPM

1 x TPM header with SPI interface
- **Optional** TPM2.0 kit: CTM010

Power Supply

1+1 1600W 80 PLUS Platinum redundant power supplies

AC Input:
- 100-120V~/ 12A, 50/60Hz
- 200-240V~/ 10A, 50/60Hz

DC Input: (Only for China)
- 240Vdc/ 10A

DC Output:
- Max 1000W/ 100-120V~
+12V/ 81.5A
+12Vsb/ 2.5A
- Max 1600W/ 200-240V~ or 240Vdc Input
+12V/ 133A
+12Vsb/ 2.5A

Note: The default power supply is based on a basic system configuration. Please contact with technical representatives to determine the best power supply selection for your system configuration requirements and preferred efficiency.

System Management

Aspeed® AST2600 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X) web interface

Dashboard
HTML5 KVM
Sensor Monitor (Voltage, RPM, Temperature, CPU Status ...etc.)
                    ory Data
FRU Information
SEL Log in Linear Storage / Circular Storage Policy
Hardware Inventory
Fan Profile
System Firewall
Power Consumption
Power Control
Advanced power capping
LDAP / AD / RADIUS Support
Backup & Restore Configuration
Remote BIOS/BMC/CPLD Update
Event Log Filter
User Management
Media Redirection Settings
PAM Order Settings
SSL Settings
SMTP Settings

OS Compatibility

Please refer to OS compatibility table in support page

System Fans

4 x 80x80x38mm (18,300rpm)

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)

Weight

Net Weight: 16 kg
Gross Weight: 19 kg

Packaging Dimensions

732 x 588 x 285 mm

Packaging Content

1 x E263-Z30-AAD1
1 x CPU heatsink
1 x Mini-DP to D-Sub cable
1 x GPU power cable (2x PCIe 8pin, 350mm)
1 x GPU power cable (2x PCIe 8pin, 480mm)

Note: Rail kit not included. Please refer to optional parts for compatible rail kit.

Part Numbers

- Barebone package: 6NE263Z30DR000AAD1*
- Motherboard: 9MZ33DC0UR-000
- CPU heatsink: 25ST1-553201-M1R
- M.2 heatsink: 12SP2-11000E-00R
- Front panel board - CFP2001: 9CFP2001NR-00
- Backplane board - CBP2022: 9CBP2022NR-00
- Fan module: 25ST2-88382T-S1R
- Riser card - CRS201H: 9CRS201HNR-00
- Riser card - CRS201M: 9CRS201MNR-00
- Mini-DP to D-Sub cable: 25CRN-200801-K1R
- GPU power cable (2x PCIe 8pin, 350mm): 25CRI-350305-Y4R
- GPU power cable (2x PCIe 8pin, 480mm): 25CRI-480300-Y4R
- Power supply: 25EP0-216008-L0S

Optional parts:

- 2-Section Rail kit: 25HB2-3A0204-K0R
- A100/MI210 power cable (CPU 8pin, 350mm): 25CRI-350100-Y4R
- A100/MI210 power cable (CPU 8pin, 480mm): 25CRI-480101-Y4R
- H100 power cable (12VHPWR, 360mm): 25CRI-360102-Y4R
- H100 power cable (12VHPWR, 490mm): 25CRI-490102-Y4R