

R263-Z30 (rev. AAC1) | (rev.AAC2) | (rev.AAH2) | (rev.AAH1)

Rack Server - AMD EPYC™ 9004 - 2U UP 12-Bay NVMe/SATA/SAS | Application: **Networking**

- AMD EPYC™ 9004 series processors
- AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Technology
- Single processor, 5nm technology
- 12-Channel RDIMM DDR5, 12 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port (Intel® I210-AT)
- 1 x Dedicated management port
- 12 x 3.5"/2.5" Gen4 NVMe/SATA/SAS 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 1300W (240V) 80 PLUS Platinum redundant power supplies



OVERVIEW **SPECIFICATIONS** SUPPORT RESOURCES BUY

R263-Z30 (rev. AAC1)

Dimensions (WxHxD, mm)

2U
438 x 87.5 x 710

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-core, 256 threads per processor
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 modules up to 96GB supported
3DS RDIMM modules up to 256GB supported
Memory speed: Up to 4800 MHz

LAN

Rear side:

1 x 1Gb/s LAN port (1 x Intel® I210-AT)
Supports NCSI function

1 x 10/100/1000 management LAN

Video

Integrated in Aspeed® AST2600
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp, DDR4 SDRAM

Storage

Front side:

12 x 3.5"/2.5" Gen4 NVMe/SATA/SAS hot-swappable bays

SAS card is required for SAS devices support

SAS

Depends on SAS Add-on card

RAID

N/A

Expansion Slots

Riser Card CRS201H:

- 1 x PCIe x16 (Gen5 x16) FHHL slot

Riser Card CRS201M:

- 1 x PCIe x16 (Gen5 x16) FHHL slot

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

Internal I/O

1 x M.2 slot
1 x TPM header
2 x OCP 3.0 slots

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 HDD 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

Backplane I/O

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 1300W (240V) 80 PLUS Platinum redundant power supplies

AC Input:
- 100-240V~/12-7A, 50-60Hz
- 200-240V~/8A, 50-60Hz

DC Input:
- 240Vdc/6.5A

DC Output:
- Max 1000W/100-240V~
+ 12V/80.5A
+ 12Vsb/3A
- Max 1300W/200-240V~ or 240Vdc Input
+ 12V/105.4A
+ 12Vsb/3A

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.)
Sensor Reading History 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)

Packaging Dimensions

989 x 594 x 279 mm

Packaging Content

1 x R263-Z30
1 x CPU heatsink
1 x Mini-DP to D-Sub cable
1 x 2-Section Rail kit

Part Numbers

- Barebone package: 6NR263Z30DR000AAC1*
- Motherboard: 9M233DC0UR-000
- 2-Section Rail kit: 25HB2-3A0203-K0R
- CPU heatsink: 25ST1-143100-A0R
- M.2 heatsink: 12SP2-11000E-00R
- Front panel board - CFP2001: 9CFP2001NR-00
- Backplane board - CBP20C5: 9CBP20C5NR-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
- Power supply: 25EP0-213004-F3S

Optional parts:

- 3-Section Rail kit: 25HB2-A56121-K0R
- Cable Management Arm: 25HB1-R18300-K0R