

R152-Z30 (rev. 100) | (rev.A00)

AMD EPYC™ 7002 UP Server System - 1U 4-Bay | Application: **Networking**

- Single AMD EPYC™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 4 x 3.5"/2.5" SATA hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 1 x PCIe Gen4 x16 expansion slot
- 1 x OCP 2.0 Gen3 x16 mezzanine slot
- Aspeed® AST2500 remote management controller
- 650W 80 PLUS Platinum redundant power supply



Compare



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Dimensions (WxHxD, mm)

1U
438 x 43.5 x 660

Motherboard

MZ32-AR0

CPU

AMD EPYC™ 7002 series processor family
Single processor, 7nm technology
Up to 64-core, 128 threads per processor
TDP up to 225W, cTDP up to 240W

Conditional support 280W

Compatible with AMD EPYC™ 7001 series processor family

Socket

Socket SP3

Chipset

System on Chip

Memory

16 x DIMM slots
DDR4 memory supported only
8-Channel memory architecture
RDIMM modules up to 128GB supported
LRDIMM modules up to 128GB supported
Memory speed: Up to 3200*/ 2933 MHz

- Note:

* Follow BIOS setting and memory QVL list if running 3200 Mhz with 2DPC

LAN

2 x 1GbE LAN ports (1 x Intel® I350-AM2)
1 x 10/100/1000 management LAN

Video

Integrated in Aspeed® AST2500
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp

Audio

N/A

Storage

4 x 3.5" SATA hot-swappable HDD/SSD bays
2.5" HDD/SSD supported

NOTE: SATA devices supported only

SAS

N/A

RAID

N/A

Peripheral Drives

1 x Slim type ODD as an option

Expansion Slots

Riser Card CR101D:

- 1 x PCIe x16 slot (Gen4 x16), Full height half-length

1 x OCP 2.0 mezzanine slot with PCIe Gen3 x16 bandwidth (Type1, P1, P2, P3, P4)

2 x M.2 slots:

- M-key
- PCIe Gen3 x4
- Supports NGFF-2242/2260/2280 cards

Internal I/O

2 x M.2 slots
1 x USB 3.0 header
1 x USB 2.0 header
1 x COM_2 header
1 x TPM header
1 x Front panel header
1 x HDD back plane board header
1 x PMBus connector
1 x IPMB connector
1 x Clear CMOS jumper
1 x BIOS recovery jumper
1 x Buzzer

Front I/O

2 x USB 3.0
1 x Power button with LED
1 x ID button with LED
1 x NMI button
1 x Reset button
2 x LAN activity LEDs
1 x HDD activity LED
1 x System status LED

Rear I/O

3 x USB 3.0
1 x VGA
1 x COM
2 x RJ45
1 x MLAN
1 x ID button with LED

Backplane I/O

Backplane P/N: 9CBP1042NR-00
Speed and bandwidth:
SATA 6Gb/s

TPM

1 x TPM header with SPI interface
Optional TPM2.0 kit: [CTM010](#)

Power Supply

2 x 650W redundant PSUs
80 PLUS Platinum

AC Input:
- 100-240Vac~/ 10-5A, 50-60Hz

DC Input:
- 190-310Vdc/ 5-3A

DC Output:

- Max 650W
+ 12V/ 52.9A
+ 5Vsb/ 4.0A

System Management

Aspeed® AST2500 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X) web interface

Dashboard
JAVA Based Serial Over LAN
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
LDAP / AD / RADIUS Support
Backup & Restore Configuration
Remote BIOS/BMC/CPUD Update
Event Log Filter
User Management
Media Redirection Settings
PAM Order Settings
SSL Settings
SMTP Settings

OS Compatibility

Windows Server 2016 (X2APIC/256T not supported)
[Windows Server 2019](#)

Red Hat Enterprise Linux 7.6 (x64) or later
Red Hat Enterprise Linux 8.0 (x64) or later
Red Hat Enterprise Linux 9.0 (x64) or later

SUSE Linux Enterprise Server 12 SP4 (x64) or later
SUSE Linux Enterprise Server 15 SP1 (x64) or later

Ubuntu 16.04.6 LTS (x64) or later
Ubuntu 18.04.3 LTS (x64) or later
Ubuntu 20.04 LTS (x64) or later

VMware ESXi 6.5 EP15 or later
VMware ESXi 6.7 Update3 or later
VMware ESXi 7.0 or later
VMware ESXi 8.0 or later

Citrix Hypervisor 8.1.0 or later

System Fans

5 x 40x40x56mm (25,000rpm)