R262-ZA2
Rack Server - 2U UP 14-Bay GPU sku

Features

- Hardware-level root of trust support
- Supports up to 2 x double slot GPU cards
- Single AMD EPYC™ 7003 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 12 x 3.5" hot-swappable SSD bays in front side
- 2 x 2.5" hot-swappable SSD bays in rear side
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- Up to 8 x PCIe expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- Dual 1600W 80 PLUS Platinum redundant power supply

Specification

Dimensions 2U (W438 x H87.5 x D730 mm)

Motherboard MZA2-CE0 Rev. 3.0

CPU AMD EPYC™ 7003 Series processors
Single processors, 7nm, Socket SP3, Fully support 280W
Up to 64-core, 128 threads per processor
Compatible with AMD EPYC™ 7002 Series processors

Chipset System on Chip

Memory 8-Channel DDR4 memory, 16 x DIMM slots
RDIMM/LRDIMM modules up to 128GB supported
3DS RDIMM/LRDIMM modules up to 256GB supported
Memory speed: Up to 3200/2933 MHz

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, DDR4 SDRAM

Storage Front side: 12 x 3.5" SATA/SAS hot-swap HDD/SSD bays
Rear side: 2 x 2.5" SATA/SAS hot-swap HDD/SSD bays
SAS card is required to enable the drive bays
Default supports: 4 x 3.5" SATA/SAS drives in front side
2 x 2.5" SATA/SAS drives in rear side
Recommended 12Gb/s SAS cards: CRA4448, CRA3338

RAID Depends on SAS add-on Card

Expansion Slots
1 x PCIe x16 slots (4.0 x16), FHHL
2 x PCIe x16 slots (4.0 x16 or x8), FHFL
2 x PCIe x16 slots (4.0 x0 or x8), FHFL
2 x PCIe x8 slots (4.0 x8), LPFH
1 x PCIe x16 slot (3.0 x16 or x8), FHFL
1 x OCP 2.0 mezzanine slot (3.0 x0 or x8)
1 x OCP 3.0 mezzanine slot (4.0 x16)
1 x M.2 slot (4.0 x4)

Front I/O 2 x USB 3.0

Rear I/O 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN

Backplane I/O Front side_CBP20C5: 12 x SATA/SAS/NVMe ports
Rear side_CBP2022: 2 x SATA/SAS ports

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

Power Supply Dual 1600W 80 PLUS Platinum redundant power supply
AC Input: 100-240V

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

OS Compatibility
Windows Server 2016 / 2019
RHEL 8.3 (x64) or later
SLES 12 SP5 (x64) / 15 SP2 (x64) or later
Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later
VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later
Citrix Hypervisor 8.2.0 or later

System Fans 4 x 80x80x38mm (16,300rpm), 2-ball

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 R262-ZA2
1 x CPU heatsink
1 x Rail kit

Reference Numbers Barebone package: 6NR262ZA2MR-00 Rev. A00
- Motherboard: 9MZA2CE0NR-00
- Rail kit: 25HB2-3A0202-K0R
- CPU heatsink: 25ST1-443107-A3R
- Power supply: 25EP0-216008-L0S

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