GIGABYTE™

R183-Z95-AAV1

Rack Server - 1U DP 14-Bay NVMe/SATA/SAS

AMD EPYC

Features

- AMD EPYC™ 9004 series processor family
- Dual processors, 5nm technology
- 2-Channel RDIMM DDR5, 24 x DIMMs
- Dual ROM Architecture supported
- 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 6 x E1.S NVMe hot-swappable bays
- 8 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays
- 3 x M.2 slots with PCIe Gen3 x4 and x2 interface
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- Dual 1600W 80 PLUS Titanium redundant power supply

Specification

Dimensions	1U (W438 x H43.5 x D815 mm)	**Backplane I/O**	PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s
Motherboard	MZ93-FS1	**TPM**	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 9004 series processors AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Dual processors, 5nm technology cTDP up to 300W at ambient 35°C 2 x LGA 6096 (Socket SP5)	**Power Supply**	Dual 1600W 80 PLUS Titanium redundant power supply AC Input: 100-240V
Chipset	System on Chip	**System Management**	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	24 x DIMM slots 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported	**OS Compatibility**	Windows Server 2019 / 2022 RHEL 8.4 / 8.5 / 8.6 / 8.7 / 9 / 9.1 (x64) SLES 15 SP3 / 15 SP3 SP4 (x64) Ubuntu 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / ESXi 8.0 Citrix Hypervisor 8.2.1
LAN	2 x 1GbE LAN ports (ntel I350-AM2) - Supported NCSI function 1 x 10/100/1000 management LAN	**System Fans**	8 x 40x40x56mm (32,000rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	**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)
Storage	6 x 9.5mm E1.S NVMe hot-swappable bays 8 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays SAS card is required for SAS4 devices support	**Packaging Content**	1 x R183-Z95 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 1 x 2-Section Rail kit
Expansion Slots	2 x FHHL PCIe Gen5 x16 slots 2 x OCP 3.0 Gen5 x16 slots (supports NCSI function) 2 x M.2 slots (M-key, PCIe Gen3 x4, supports 2280/22110 cards) 1 x M.2 slot (M-key, PCIe Gen3 x2, supports 2280/22110 cards)	**Part Numbers**	Barebone package: 6NR183Z95DR000AAV1* - Motherboard: 9MZ93FS1UR-000 - 2-Section Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-553202-A0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-21600E-L0S
Front I/O	1 x USB 3.2 Gen1		
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN		

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