

R183-ZF1-AAJ1

1U DP 1 x GPU 12-Bay NVMe/SATA Rack Server



Features

- Supports 1 x Dual slot Gen5 GPU card
- AMD EPYC™ 9004 series processors
- Dual processor, 5nm technology
- 12-Channel RDIMM DDR5, 24 x DIMMs
- Dual ROM Architecture
- 1 x Dedicated management port
- 12 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swap bays
- 1 x FHFL PCIe Gen5 x16 slot for GPUs
- 1 x FHFL PCIe Gen5 x16 slot
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 2000W 80 PLUS Titanium redundant power supplies

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	MZF3-GP0	TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
CPU	AMD EPYC™ 9004 series processor AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Dual processors, 5nm technology cTDP up to 300W at ambient 30°C 2 x LGA 6096 Socket SP5	Power Supply	1+1 2000W 80 PLUS Titanium redundant power supplies 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, up to 4800 MHz RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP5 Ubuntu 20.04.6 / 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 / 8.0 Update 1 Citrix Hypervisor r 8.2 LTSR CU1
LAN	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 30°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Storage	12 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays SAS card is required for SAS devices support	Packaging Content	1 x R183-ZF1, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit
Expansion Slots	1 x PCIe Gen5 x16 FHFL slot for GPUs 1 x PCIe Gen5 x16 FHFL slot (occupied when dual-slot GPU is inserted) 1 x PCIe Gen5 x16 FHHL slot 1 x OCP 3.0 Gen5 x16 slot - Supporte NCSI function	Reference Numbers	Barebone package: 6NR183ZF1DR000AAJ1* - Motherboard: 9MZF3GPOUR-000 - 2-Section Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-553202-A0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EPO-22000J-G1S
Front I/O	1 x USB 3.2 Gen1		
Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		



Learn more about GIGABYTE server, visit www.gigabyte.com/Enterprise

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