GIGABYTE

GIGABYTE R183 AMD SoC LGA 6096 Rack (1U)

Brand : GIGABYTE

Product code: R183-Z94-AAD2

Product name : R183

- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 1600W 80 PLUS Platinum redundant power supplies
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture

1u, DIMM x32, DDR5, 8-channel, RDIMM

GIGABYTE R183. Motherboard chipset: AMD SoC, Processor socket: LGA 6096, Processor manufacturer: AMD. Supported memory types: DDR4-SDRAM, Supported DIMM module capacities: 16GB, 32GB, 64GB, 128GB, Supported RDIMM clock speeds: 2933,3200 MHz. Storage drive sizes supported: 2.5". On-board graphics card model: Aspeed AST2500. Ethernet interface type: Gigabit Ethernet, Ethernet LAN data rates: 10,100,1000 Mbit/s, LAN controller: Intel® I350-AM2

Processor	
Built-in processor *	✗
Motherboard chipset *	AMD SoC
Processor socket *	LGA 6096
Processor manufacturer	AMD
Processor family	AMD EPYC
Processor generation	AMD EPYC 9004
Number of processors supported *	2

Memory	
Number of DIMM slots *	32
Supported memory types *	DDR4-SDRAM
Supported DIMM module capacities	16GB, 32GB, 64GB, 128GB
Supported RDIMM clock speeds	2933,3200 MHz
Memory channels	Octa-channel

Storage	
Number of storage drives supported *	12
Hot-swap HDD bays *	✓
Number of 2.5" bays	12
Storage drive sizes supported	2.5"

Graphics	
Discrete graphics card model	Not available
On-board graphics card model	Aspeed AST2500

Network	
Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
Ethernet LAN data rates	10,100,1000 Mbit/s
LAN controller	Intel® I350-AM2

Ports & interfaces	
Ethernet LAN (RJ-45) ports *	2
VGA (D-Sub) ports quantity	1
COM ports quantity	1

Features	
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0
Backplanes support	✓

Logistics data	
Harmonized System (HS) code	84714100

Design	
Chassis type *	Rack (1U)
LED indicators	HDD, LAN, Status

Power	
Power supply *	1600 W
Number of main power supplies	2
Redundant power supply (RPS) support	✓
Number of redundant power supplies supported	1
AC input voltage	100 - 240 V
DC output current (+12 V)	97 A

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 60 °C
Operating relative humidity (H-H)	8 - 80%
Storage relative humidity (H-H)	20 - 95%

Weight & dimensions	
Height	730 mm
Weight	21.9 kg

Packaging data	
Packaging content	1 x R183-S90-AAD2 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 6 x Carriers 1 x 2-Section Rail kit

Expansion slots	
PCI Express slots version	4.0
PCI Express x16 slots	4
Number of M.2 (M) slots	1

Packaging data	
Package width	1045 mm
Package depth	595 mm
Package height	249 mm
Package weight	24.5 kg

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