GIGABYTE™
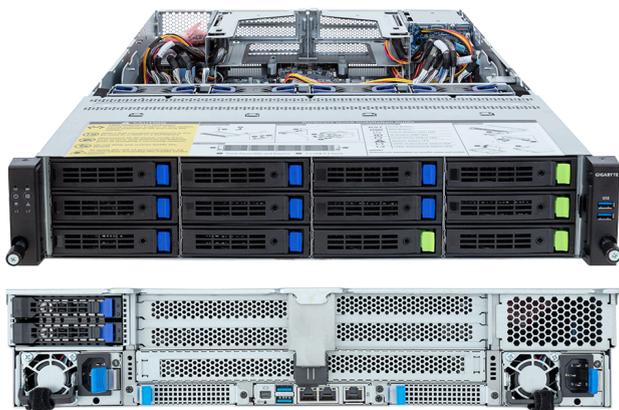
R283-Z94-AAD2 (Rev. 3.x)

Rack Server - AMD EPYC™ 9005/9004 -
2U DP 12+2-Bay Gen5 NVMe/SATA/SAS-4 Platinum

AMD EPYC | Ubuntu Certified | vmware READY | Windows Server 2022 Certified | Windows Server 2025 Certified

Key Features

- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 8 x 3.5"/2.5" SATA/SAS-4 hot-swap bays
- 2 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 3 x M.2 slots with PCIe Gen3 x4 and x2 interface
- 4 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 1600W 80 PLUS Platinum redundant power supply

Applications

Networks Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	**PCIe Expansion Slots**	4 x FHHL PCIe Gen5 x16 2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MZ93-FS1	**I/O Ports**	**Front:** 2 x USB 3.2 Gen1 **Rear:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 400W - cTDP up to 500W **with optional heatsink**		
OS Compatibility	OS Support List	**Backplane Board**	**Front - CBP20C7:** PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s **Rear - CBP2025:** SATA 6Gb/s or SAS-4 24Gb/s
Socket	2 x LGA 6096 (Socket SP5)	**TPM**	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Chipset	System on Chip	**Power Supply**	Dual 1600W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	**System Management**	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	**System Fans**	4 x 80x80x38mm
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	**Operating Properties**	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Storage	**Front hot-swap:** 4 x 3.5"/2.5" Gen5 NVMe/SATA/**SAS-4** [1] 8 x 3.5"/2.5" SATA/**SAS-4** [1] **Rear hot-swap:** 2 x 2.5" SATA/**SAS-4** [1] **Internal M.2:** 2 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x2 [1] SAS card is required to support SAS drives.	**Packaging Content**	1 x R283-Z94-AAD2 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 1 x 2-Section Rail kit
		Ordering Part Numbers	With default heatsink: 6NR283Z94DR000ACD2* With optional heatsink: 6NR283Z94DR000ADD2*
RAID	Require RAID add-in cards	**Optional Parts**	- 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - CPU heatsink (500W): 25ST1-563400-C1R

Learn more at: https://www.gigabyte.com/Enterprise

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