

# R283-Z97-AAL1

Rack Server - 2U DP 2 x PCIe Gen5 GPUs



## Key Features

- Supports up to 2 x Dual slot Gen5 GPUs
- 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
- 8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x 3.5"/2.5" SATA/SAS-4 hot-swap bays
- 4 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 2 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Compatible with SupremeRAID™ by Graid Technology
- 1+1 2700W 80 PLUS Titanium redundant power supplies

## Specification

<b>Dimensions</b>	2U (W438 x H87.5 x D815 mm)	<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
<b>Motherboard</b>	MZ93-FS1	<b>Backplane Board</b>	Front - CBP20C7: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s Rear - CBP2025: SATA 6Gb/s or SAS-4 24Gb/s
<b>CPU</b>	AMD EPYC™ 9005/9004 Series Processors Dual processor, cTDP up to 240W	<b>Security Modules</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>Sock</b>	2 x LGA 6096 (Socket SP5)	<b>Power Supply</b>	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system PSU requires C19 power cord.
<b>Chipset</b>	System on Chip	<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>Memory</b>	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6000 MT/s [EPYC 9004] Up to 4800 MT/s	<b>OS Support</b>	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
<b>LAN</b>	2 x 1Gb/s LAN (1 x Intel® I350-AM2) - Supports NCSI function 1 x 10/100/1000 Mbps Management LAN	<b>System Fans</b>	4 x 80x80x38mm (18,300rpm)
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<b>Operating Properties</b>	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)
<b>Storage</b>	Front hot-swap: 8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4* 4 x 3.5"/2.5" SATA/SAS-4*  Rear hot-swap: 4 x 2.5" SATA/SAS-4 * *SAS card is required to support SAS drives.	<b>Packaging Content</b>	1 x R283-Z97-AAL1, 2 x CPU heatsinks, 1 x 2-Section Rail kit, 1 x Mini-DP to D-Sub cable, 2 x GPU power cables(CPU 8pin)
<b>RAID</b>	Require RAID add-in cards  Optional compatible RAID Cards: GRAID SupremeRAID™ SR-1000-ED12 NVMe RAID Cards Support RAID 0/1/5/6/10	<b>Part Numbers</b>	Barebone package: 6NR283Z97DR000ACL1* Optional parts: - C19 power cord 125V/15A (US): 25CP1-018000-Q0R - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R - RAID card (SR-1000-ED12): 25FC1-SRBUN3-AFS - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - RMA packaging: 6NR283Z97SR-RMA-A100
<b>Expansion Slots</b>	2 x FHFL PCIe Gen5 x16 slots for GPUs 2 x FHHL PCIe Gen5 x16 slots 2 x OCP NIC 3.0 PCIe Gen5 x16 slots - Supports NCSI function		



Learn more at <https://www.GIGABYTE.com/enterprise>

\* All specifications are subject to change without notice. Please visit our website for the latest information.  
\* AMD, the AMD Arrow logo, EPYC and combinations thereof are trademarks of Advanced Micro Devices, Inc.  
\* All other brands, logos and names are property of their respective owners.

© 2024 Giga Computing Technology Co., Ltd. All rights reserved.

Designed by

