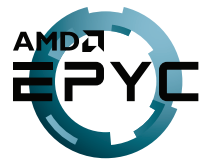


# R163-Z32-AAC1

## 1U UP 12-Bay NVMe/SATA/SAS Rack Server



### Features

- AMD EPYC™ 9004 series processor
- Single processor, 5nm technology
- 12-Channel RDIMM DDR5, 12 x DIMMs
- Dual ROM Architecture supported
- 1 x 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 12 x 2.5" Gen4 NVMe/ SATA hot-swappable bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 2 x PCIe Gen5 x16 expansion slots
- 2 x OCP 3.0 Gen5 x16 mezzanine slots
- Dual 1300W 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D710 mm)	<b>Backplane I/O</b>	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
<b>Motherboard</b>	MZ33-DC0	<b>TPM</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>CPU</b>	AMD EPYC™ 9004 series processor Single processor, 5nm technology, cTDP up to 320W Up to 96-core, 192 threads per processor 1 x LGA 6096 Socket SP5	<b>Power Supply</b>	Dual 1300W 80 PLUS Platinum redundant power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	12 x DIMM slots 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported	<b>OS Compatibility</b>	Windows Server 2019 / 2022 RHEL 8.6 / 9 (x64) or later SLES 15 SP4 (x64) or later Ubuntu 20.04.5 LTS / 22.04 LTS (x64) or later VMware ESXi 7 P05 / 8 or later Citrix Hypervisor 8.2.1 or later
<b>LAN</b>	1 x 1Gb/s LAN ports (1 x Intel® I210-AT) Supported NCSI function 1 x 10/100/1000 management LAN	<b>System Fans</b>	4 x 40x40x56mm (29,700rpm)
<b>Video</b>	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Operating Properties</b>	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)
<b>Storage</b>	12 x 2.5" Gen4 NVMe/ SATA/ SAS hot-swappable bays SAS card is required for SAS devices support	<b>Packaging Content</b>	1 x R163-Z32 1 x CPU heatsink 1 x Rail kit
<b>Expansion Slots</b>	2 x PCIe Gen5 x16 FHHL slots 2 x PCIe Gen5 x16 OCP 3.0 slots - Supporte NCSI function 1 x M.2 slot (M-key, PCIe Gen3 x4, NGFF-2280/22110)	<b>Reference Numbers</b>	Barebone package: 6NR163Z32DR000AAC1* - Motherboard: 9MZ33DC0UR-000 - Rail kit: 25HB2-3A0203-K0R - CPU heatsink: 25ST1-553201-M1R - Back plane board: 9CBP10C0NR-00 - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-213002-F3S
<b>Front I/O</b>	2 x USB 3.2 Gen1		
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN		



Learn more about GIGABYTE server solutions, visit [www.gigabyte.com/Enterprise](http://www.gigabyte.com/Enterprise)

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

© 2022 GIGABYTE Technology Co., Ltd. All rights reserved.