

# S463-Z30-AAB1 (Rev. 3.x)

Storage Server - AMD EPYC™ 9005/9004 -

4U UP 60-Bay SATA/SAS with Expander + 6-Bay Gen5 NVMe + 2-Bay SATA/SAS



## Key Features

- Single AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 60 x 3.5"/2.5" internal SATA/SAS hot-swap bays
- 2 x 2.5" SATA/SAS hot-swap bays on the rear side
- 6 x 2.5" Gen5 NVMe hot-swap bays on the rear side
- SAS expanders with 12Gb/s transfer speed
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 4 x LP PCIe Gen5 x16 slots
- 2+2 800W 80 PLUS Platinum redundant power supplies

## Applications

Storage Server...

## Specification

<b>Dimensions</b>	4U (W434 x H176 x D853 mm)	<b>PCIe Expansion Slots</b>	4 x LP PCIe Gen5 x16
<b>Motherboard</b>	MZ33-AR1	<b>I/O Ports</b>	<b>Front:</b> 1 x USB 3.2 Gen1 <b>Rear:</b> 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
<b>CPU</b>	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 400W	<b>TPM</b>	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012
<b>OS Compatibility</b>	<a href="#">OS Support List</a>	<b>Power Supply</b>	2+2 800W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
<b>Socket</b>	1 x LGA 6096	<b>System Fans</b>	4 x 80x80x38mm
<b>Chipset</b>	System on Chip	<b>Operating Properties</b>	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
<b>Memory</b>	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 5200 MT/s (1DPC), Up to 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	<b>Packaging Content</b>	1 x S463-Z30-AAB1 1 x CPU heatsink 1 x Rail kit
<b>LAN</b>	2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN	<b>Ordering Part Numbers</b>	6NS463Z30MR000ACB1*
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x VGA port		
<b>Storage</b>	<b>Internal hot-swap:</b> 60 x 3.5"/2.5" <b>SATA/SAS</b> [1] <b>Rear hot-swap:</b> 6 x 2.5" Gen5 NVMe 2 x 2.5" <b>SATA/SAS</b> [2] <b>Internal M.2:</b> 1 x M.2 (2280/22110), PCIe Gen4 x4  [1] Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x40 expander - Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port  [2] SAS card is required to support SAS drives.		



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

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