

# S453-Z30-AAV1

Storage Server - 4U UP 38-Bay SATA/SAS



## Key Features

- Single AMD EPYC™ 9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 24 x 3.5"/2.5" SATA/SAS hot-swap bays on the front side
- 12 x 3.5"/2.5" SATA/SAS hot-swap bays on the rear side
- 2 x 2.5" SATA/SAS bays on the rear side for boot drives
- SAS expander with 12Gb/s transfer speed
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 4 x LP PCIe Gen5 x16 slots
- Dual 1600W 80 PLUS Titanium redundant power supply

## Application

Storage, Networking

## Specification

<b>Dimensions</b>	4U (W482.6 x H177 x D625 mm)	<b>Expansion Slots</b>	4 x LP PCIe Gen5 x16 slots
<b>Motherboard</b>	MZ33-AR0	<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1 Rear: 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 300W	<b>Backplane Board</b>	Front side - CBPD400: SATA 6Gb/s or SAS 12Gb/s Rear side - CBP2021: SATA 6Gb/s or SAS 12Gb/s Rear side - CBPD0C0: SATA 6Gb/s or SAS 12Gb/s
<b>Socket</b>	1 x LGA 6096 (Socket SP5)	<b>Security Modules</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>Chipset</b>	System on Chip	<b>Power Supply</b>	Dual 1600W 80 PLUS Titanium redundant power supply AC Input: 100-240V
<b>Memory</b>	24 x DIMM slots 12-Channel DDR5 RDIMM [EPYC 9005] Up to 5200 MT/s (1DPC), 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>LAN</b>	2 x 10Gb/s LAN (1 x Broadcom® BCM57416) - Supports NCSI 1 x 10/100/1000 Mbps Management LAN	<b>OS Support</b>	Windows Server, Red Hat Enterprise Linux server, Ubuntu, SUSE Linux Enterprise server, VMware ESXi, Citrix Hypervisor
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x VGA port	<b>System Fans</b>	4 x 80x80x38mm (9,000rpm), 4 x 80x80x38mm (16,300rpm)
<b>Storage</b>	Front hot-swap: 24 x 3.5"/2.5" SATA/SAS Rear hot-swap: 12 x 3.5"/2.5" SATA/SAS *Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x48 expander - Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port Rear: 2 x 2.5" SATA/SAS, for boot drives *Additional SAS card is required for SAS support on boot drives. Internal M.2: 1 x M.2 (2280/22110), PCIe Gen4 x4	<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>RAID</b>	Require RAID add-in cards	<b>Packaging Content</b>	1 x S453-Z30-AAV1, 1 x CPU heatsink, 1 x 3-Section Rail kit Packaging Dimensions: 843 x 610 x 290 mm
		<b>Part Numbers</b>	Barebone package (EPYC 9005/9004): 6NS453Z30MR000ACV1* Barebone package (EPYC 9004): 6NS453Z30MR000AAV1*



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

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