

## S252-ZC0 Rev. A00/AT0

Storage Server - 2U DP 26-Bay



### Key Features

- Hardware-level root of trust support
- Dual AMD EPYC™ 7003/7002 Series Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 16 x DIMMs
- 24 x 3.5"/2.5" SATA/SAS hot-swap bays
- 2 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays on rear side
- Onboard 12Gb/s SAS expander
- 2 x SATA DOM supported
- 6 x LP PCIe Gen4 x16 slots
- 1+1 1300W 80 PLUS Platinum redundant power supplies (-A00)
- 1+1 1300W 80 PLUS Titanium redundant power supplies (-AT0)

### Specification

<b>Dimensions</b>	2U (W438 x H87 x D880 mm)	<b>IO ports</b>	Front: 2 x USB 3.0 Rear: 2 x USB 3.0, 1 x VGA, 1 x MLAN
<b>Motherboard</b>	MZC2-CE0	<b>Backplane Board</b>	Left side - CBPD2C0: 12 x 3.5"/2.5" SATA/SAS ports with expander Right side - CBPD2C1: 12 x 3.5"/2.5" SATA/SAS ports Rear side - CBPD020: 2 x 2.5" Gen4 NVMe/SATA/SAS ports
<b>CPU</b>	AMD EPYC™ 7003 Series Processors AMD EPYC™ 7002 Series Processors Dual processor, 7nm technology, Socket SP3 cTDP up to 200W	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Chipset</b>	System on Chip	<b>Power Supply</b>	1+1 1300W 80 PLUS Platinum redundant power supplies (-A00) 1+1 1300W 80 PLUS Titanium redundant power supplies (-AT0) AC Input: 100-240V
<b>Memory</b>	8-Channel DDR4 memory, 16 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported Memory speed: Up to 3200 MT/s	<b>System Management</b>	ASPEED® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>LAN</b>	1 x 10/100/1000 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® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>System Fans</b>	6 x 60x60x38mm hot-swappable fan modules
<b>Storage</b>	Side-accessed: 24 x 3.5"/2.5" SATA/SAS hot-swap bays LSI SAS35x36R expander SAS card is required to enable the 24 drive bays Rear side: 2 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays Default configuration supports: 2 x Gen4 NVMe/SATA drives Recommend optional 12Gb/s SAS cards: Broadcom MegaRAID 9560-8i Storage Adapter Broadcom HBA 9500-8i Storage Adapter CRA4448 (Hardware RAID Card) CSA4648 (Software HBA Card)	<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>	Depends on SAS add-in cards	<b>Packaging Content</b>	1 x S252-ZC0, 2 x CPU heatsinks, 1 x 2-Section Rail kit, 1 x Cable Management Arm Packaging Dimensions: 1168 x 697 x 341 mm
<b>Expansion Slots</b>	6 x PCIe x16 (Gen4 x16) low-profile slots	<b>Part Numbers</b>	Barebone package: 6NS252ZC0MR-00-A* Optional parts: - 12Gb/s SAS H/W RAID card : 9CRA4448NR-00 - 12Gb/s SAS S/W RAID card : 9CSA4648NR-00 - RMA packaging: 6NS252ZC0SR-RMA-A100



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

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