

TO25-ZU4-AA01 (Rev. 3.x)

ORV3 Compute Node - AMD EPYC™ 9005/9004 Server Processors -
2OU 2-Node, UP, 2-Bay E1.S Gen5 NVMe + 4-Bay 2.5" Gen5 NVMe



Key Features

- Single AMD EPYC™ 9005/9004 Server processors
- 12-Channel DDR5 RDIMM per CPU with 12 x DIMMs
- Dual ROM Architecture with integrated Platform Root of Trust
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x E1.S Gen5 NVMe hot-swap bays
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x FHFL PCIe x16 slots with Gen5 x16 lanes
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 48 V to 54 V DC bus bar power solution

Specification

Dimensions	2OU 2-node (W258 x H86 x D771 mm)	RAID	Require RAID add-in cards
Open Rack Version	ORV3	PCIe Expansion Slots	2 x FHFL x16 (Gen5 x16) 2 x OCP NIC 3.0 (Gen5 x16), Support NCSI
Motherboard	MZU3-MG0	I/O Ports	Front: 1 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Server processors AMD EPYC™ 9004 Server processors Single processor, cTDP up to 500 W	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012
OS Compatibility	OS Support List	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	System Fans	N/A
LAN	Front: 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Compatible Node Tray	TO25-BT1-AA01
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Storage	Front hot-swap: 2 x 9.5 mm E1.S Gen5 NVMe 4 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] ^[1] Storage card is required to support SATA and SAS drives.	Packaging Content	1 x TO25-ZU4-AA01 1 x CPU heatsink
		Ordering Part Numbers	6NTO25ZU4DR000AC01*

