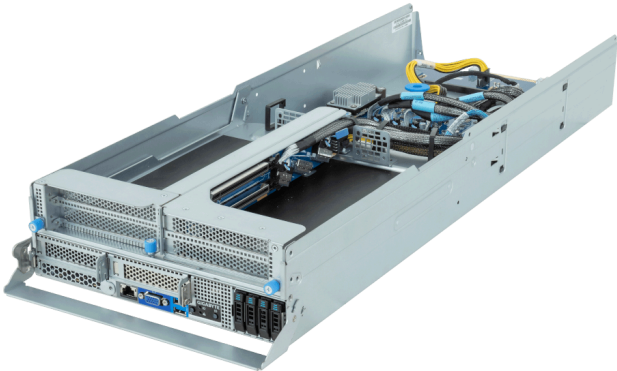


TO25-Z12-AA01 (Rev. 3.x)

ORV3 Compute Node - AMD EPYC™ 9005/9004 Server Processors -
2OU 2-Node UP 1 x PCIe Gen5 GPU



Key Features

- Supports 1 x dual-slot PCIe Gen5 GPU
- Single AMD EPYC™ 9005/9004 Server processors
- 12-Channel DDR5 RDIMM per CPU with 12 x DIMMs
- 4 x E1.S Gen5 NVMe hot-swap bays
- 1 x **Optional** M.2 slot with PCIe Gen4 x4
- 1 x FHFL PCIe x16 slot with Gen5 x16 lanes for GPUs
- 1 x FHFL PCIe x16 slot with Gen5 x16 lanes
- 1 x LP PCIe x16 slot with Gen5 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- 48 V DC Bus Bar power solution

Specification

Dimensions	2OU 2-Node (W262.7 x H90 x D740 mm)	PCIe Expansion Slots	1 x FHFL x16 (Gen5 x16), for GPUs 1 x FHFL x16 (Gen5 x16) 1 x LP x16 (Gen5 x16) 1 x OCP NIC 3.0 (Gen5 x16), Support NCSI
Open Rack Version	ORV3	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 1 x MLAN
Motherboard	MZ13-HD0	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
CPU	AMD EPYC™ 9005 Server processors AMD EPYC™ 9004 Server processors Single processor, cTDP up to 240 W	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
OS Compatibility	OS Support List	System Fans	N/A
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	Front: 1 x 10/100/1000 Mb/s Management LAN	Packaging Content	1 x TO25-Z12-AA01 1 x CPU heatsink 1 x GPU power cable (16-pin, 350mm)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	No. of Bus Bars	1 x 48 V Bus Bar
Storage	Front hot-swap: 4 x 9.5mm E1.S Gen5 NVMe Optional internal M.2: 1 x M.2 (2280/22110), PCIe Gen4 x4	Ordering Part Numbers	6NTO25Z12DR000AC01*
RAID	N/A		

