

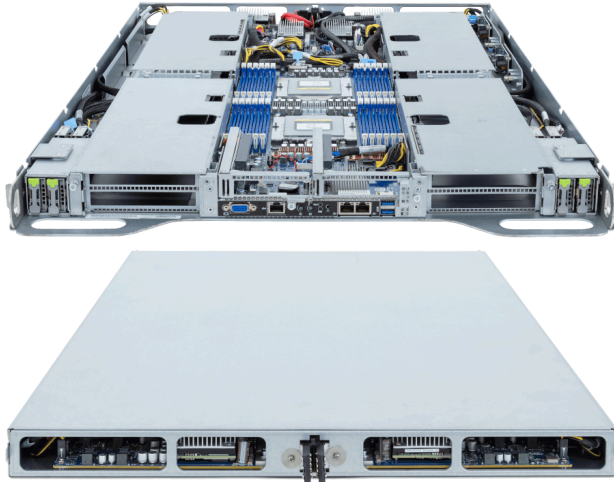
TO15-Z40-IA01 (Rev. 3.x)

ORV3 GPU Server - AMD EPYC™ 9005/9004 Server Processors -
10U, DP, 4 x PCIe Gen5 GPUs, Immersion

AMD
EPYC

Windows
Server
2022
Certified

Windows
Server
2025
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Key Features

- Single-Phase Immersion Cooling Server
- Supports up to 4 x dual-slot PCIe Gen5 GPUs
- Dual AMD EPYC™ 9005/9004 Server processors
- 12-Channel DDR5 RDIMM per CPU with 24 x DIMMs
- 2 x 10 Gb/s LAN ports via Broadcom® BCM57416
- 4 x 15 mm E1.S NVMe hot-swap bays
- 2 x M.2 slots with SATA (**optional**)
- 4 x FHFL PCIe x16 slots with Gen5 x16 lanes or
8 x FHFL PCIe x16 slots with Gen5 x8 lanes for GPUs
- 2 x LP PCIe x16 slots with Gen5 x16 lanes
- 48 V DC Bus Bar power solution

Specification

Dimensions	10U (W537 x H45 x D805.7 mm)	Storage	Top hot-swap: 4 x 15 mm E1.S NVMe Optional internal M.2 (COMTP61): 2 x M.2 (2280/22110), SATA
Open Rack Version	ORV3	PCIe Expansion Slots	4 x FHFL x16 (Gen5 x16) or 8 x FHFL x16 (Gen5 x8), for GPUs 2 x LP x16 (Gen5 x16)
Motherboard	MZ43-G20	I/O Ports	Top: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Server processors AMD EPYC™ 9004 Server processors Dual processors, cTDP up to 400 W	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
OS Compatibility	OS Support List	Packaging Content	1 x TO15-Z40-IA01 2 x CPU heatsinks 4 x GPU power cables (16-pin, 550 mm)
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	No. of Bus Bars	1 x 48 V Bus Bar
LAN	Top: 2 x 10 Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Ordering Part Numbers	6NTO15Z40DR000IC01*
Video	Integrated in ASPEED® AST2600 - 1 x VGA port		



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

* All specifications are subject to change without notice. Please visit our website for the latest information.

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