

TO15-Z20-IA01 (Rev. 1.x)

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



Key Features

- Immersion Cooling Server
- Supports up to 4 x dual-slot PCIe Gen5 GPUs
- Single AMD EPYC™ 9004 Server processors
- 12-Channel DDR5 RDIMM per CPU with 12 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 PCIe Gen5 x4
- 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 Internal M.2: 2 x M.2 (22110), PCIe Gen5 x4 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	MZ23-G20	I/O Ports	Top: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9004 Server processors Single processor, 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-Z20-IA01 1 x CPU heatsink 4 x GPU power cables (16-pin, 550 mm)
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs 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	6NTO15Z20DR000IB01*
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.

* All trademarks and logos are the properties of their respective holders.

© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Oct 1, 2026

Designed by

