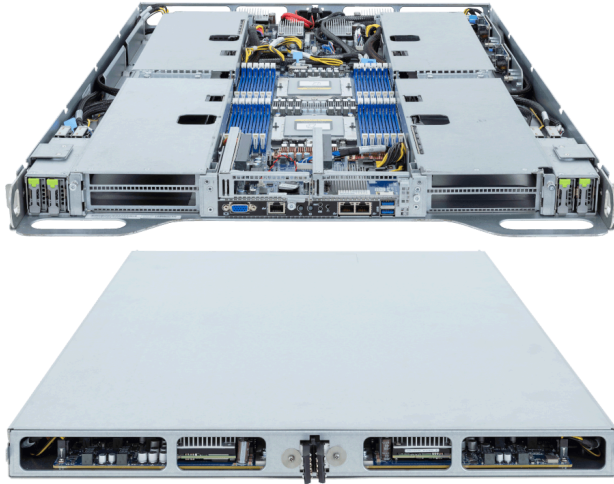


# TO15-Z40-IA01 (Rev. 1.x)

ORV3 GPU Server - AMD EPYC™ 9004 Server Processors -  
1OU, DP, 4 x PCIe Gen5 GPUs, Immersion

AMD  
EPYC

Windows  
Server  
2022  
Certified



## Key Features

- Single-Phase Immersion Cooling Server
- Supports up to 4 x dual-slot PCIe Gen5 GPUs
- Dual AMD EPYC™ 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

|                          |                                                                                                              |                              |                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>        | 1OU (W537 x H45 x D805.7 mm)                                                                                 | <b>Storage</b>               | <b>Top hot-swap:</b><br>4 x 15 mm E1.S NVMe<br><b>Optional internal M.2 (COMTP61):</b><br>2 x M.2 (2280/22110), SATA |
| <b>Open Rack Version</b> | ORV3                                                                                                         | <b>PCIe Expansion Slots</b>  | 4 x FHFL x16 (Gen5 x16) or 8 x FHFL x16 (Gen5 x8), for GPUs<br>2 x LP x16 (Gen5 x16)                                 |
| <b>Motherboard</b>       | MZ43-G20                                                                                                     | <b>I/O Ports</b>             | <b>Top:</b><br>2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN                                                         |
| <b>CPU</b>               | AMD EPYC™ 9004 Server processors<br>Dual processors, cTDP up to 400 W                                        | <b>System Management</b>     | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface                         |
| <b>OS Compatibility</b>  | <a href="#">OS Support List</a>                                                                              | <b>Packaging Content</b>     | 1 x TO15-Z40-IA01<br>2 x CPU heatsinks<br>4 x GPU power cables (16-pin, 550 mm)                                      |
| <b>Memory</b>            | 12-Channel DDR5 RDIMM, 24 x DIMMs<br>Up to 4800 MT/s                                                         | <b>No. of Bus Bars</b>       | 1 x 48 V Bus Bar                                                                                                     |
| <b>LAN</b>               | <b>Top:</b><br>2 x 10 Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN | <b>Ordering Part Numbers</b> | 6NTO15Z40DR000IA01*                                                                                                  |
| <b>Video</b>             | Integrated in ASPEED® AST2600<br>- 1 x VGA port                                                              |                              |                                                                                                                      |



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

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Last updated: Oct 1, 2026

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