

# XV23-ZX0-IAJ1 (Rev. 3.x)

NVIDIA MGX™ Server - AMD EPYC™ 9005/9004 Server Processors -  
2U DP 4 x PCIe Gen5 GPUs Immersion



## Key Features

- Immersion Cooling Server
- Supports up to 4 x dual-slot Gen5 GPUs
- NVIDIA MGX™ modular server design
- Dual AMD EPYC™ 9005/9004 Server Processors
- 12-Channel DDR5 RDIMM per CPU with 24 x DIMMs
- Hardware Root of Trust
- 2 x 10 Gb/s LAN ports via Intel® X550-AT2
- 6 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 3 x M.2 slots with PCIe Gen3 x2 and x1
- 4 x FHFL x16 (Gen5 x16) for GPUs
- 3 x FHFL x16 (Gen5 x16)
- 4 x 2000 W 80 PLUS Titanium redundant power supplies

## Applications

AI Platform, AI Training Server, AI Inference Server, Visual Computing, High-Performance Computing Server...

## Specification

<b>Dimensions</b>	2U (W438 x H87 x D900 mm)	<b>PCIe Expansion Slots</b>	4 x FHFL x16 (Gen5 x16), for GPUs 3 x FHFL x16 (Gen5 x16)
<b>Motherboard</b>	MZX3-MG0	<b>I/O Ports</b>	<b>Top:</b> 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
<b>CPU</b>	AMD EPYC™ 9005 Server Processors AMD EPYC™ 9004 Server Processors Dual processors, cTDP up to 500 W	<b>TPM</b>	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012
<b>OS Compatibility</b>	<a href="#">OS Support List</a>	<b>Power Supply</b>	4 x 2000 W 80 PLUS Titanium redundant power supplies
<b>Socket</b>	2 x LGA 6096 (Socket SP5)	<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>Chipset</b>	System on Chip	<b>Operating Properties</b>	Operating coolant temperature: 20°C to 35°C Non-operating temperature: -40°C to 60°C Non-operating humidity: 20% to 95% (non-condensing)
<b>Memory</b>	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	<b>Packaging Content</b>	1 x XV23-ZX0-IAJ1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 2 x GPU power cables (16-pin, 620mm) 2 x GPU power cables (16-pin, 750mm)
<b>LAN</b>	2 x 10 Gb/s LAN (1 x Intel® X550-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	<b>Ordering Part Numbers</b>	6NXV23ZX0HR000ICJ1*
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<b>Optional Parts</b>	- Chassis intrusion switch: 25HA1-R28390-U1R
<b>Storage</b>	<b>Bottom hot-swap:</b> 6 x 2.5" Gen5 NVMe/SATA/SAS-4 <sup>[1]</sup> <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen3 x2 1 x M.2 (2280/22110), PCIe Gen3 x1  <sup>[1]</sup> Storage card is required to support SATA and SAS drives.		



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

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