

H242-Z11 (Rev. 100)

HCI Server - AMD EPYC™ 7002/7001 - 2U 4-Node UP 4-Bay NVMe/SATA



Key Features

- **Supports 5G network infrastructure**
- 2U 4-node front access server system for Edge Computing
- Single AMD EPYC™ 7002/7001 Series Processors per node
- 8-Channel DDR4 RDIMM/LRDIMM, 8 x DIMMs per node
- 8 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen3 NVMe/SATA hot-swap bays
- 8 x M.2 slots with PCIe Gen3 x4 interface
- 4 x LP PCIe Gen4 x16 slots
- 4 x LP PCIe Gen3 x16 slots
- 4 x OCP 2.0 Gen3 x16 mezzanine slots
- Dual 1300 W 80 PLUS Platinum redundant power supplies

Applications

High Converged Server, Servers for Hybrid/Private Cloud, Edge Server...

Specification

Dimensions	2U 4-Node - Front access (W440 x H87.5 x D475 mm)	I/O Ports	Front: 8 x USB 3.0, 4 x VGA, 8 x RJ45, 4 x MLAN
Motherboard	MZ12-HD0	Backplane Board	PCIe Gen3 x4 or SATA 6 Gb/s
CPU	AMD EPYC™ 7002 Series Processors AMD EPYC™ 7001 Series Processors Single processor per node, cTDP up to 240 W - At 30°C ambient, cTDP up to 280W	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Socket	4 x LGA 4094 (Socket SP3)	Power Supply	Dual 1300 W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
Chipset	System on Chip	System Management	ASPEED® AST2500 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs Up to 3200 MT/s	System Fans	1 x 40x40x28mm 3 x 80x80x38mm
LAN	8 x 1 Gb/s LAN (4 x Intel® I350-AM2), Support NCSI 4 x 10/100/1000 Mb/s Management LAN	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)
Video	Integrated in ASPEED® AST2500 x 4 - 4 x VGA ports	Packaging Content	1 x H242-Z11 4 x CPU heatsinks 1 x 2-Section Rail kit
Storage	Front hot-swap: 4 x 2.5" Gen3 NVMe/SATA Internal M.2: 8 x M.2 (2242/2260/2280/22110), PCIe Gen3 x4	Ordering Part Numbers	6NH242Z11MR-00-1*
RAID	N/A	Optional Parts	- M.2 expansion card - CMTP051: 9CMTPO51NR-00* - CMC kit: 6NH242Z13SR-00* - M.2 heatsink kit: 6NH242Z17SR-00-100
PCIe Expansion Slots	4 x LP x16 (Gen4 x16) 4 x LP x16 (Gen3 x16) 4 x OCP 2.0 mezzanine (Gen3 x16)(Type1, P1, P2, P3, P4), Support NCSI		



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

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Last updated: May 25, 2026

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