

H173-Z80-IAS1

High Density Server - 1U 2-Node DP 4-Bay Gen5 NVMe/SATA/SAS-4 Immersion



Key Features

- Immersion Cooling Server
- 1U 2-node server system
- Dual AMD EPYC™ 9005/9004 Series Processors per node
- 12-Channel DDR5 RDIMM, 24 x DIMMs per node
- Dual ROM Architecture
- 4 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 bays
- 2 x M.2 slots with PCIe Gen4 x4 interface **(optional)**
- 2 x LP PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 1+1 3200W 80 PLUS Titanium redundant power supplies

Applications

High-Performance Computing Server, High Converged Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	1U 2-Node (W440 x H43.4 x D855 mm)	PCIe Expansion Slots	2 x LP PCIe Gen5 x16 2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MZ83-HD2	I/O Ports	Top: 4 x USB 3.2 Gen1, 2 x Mini-DP, 4 x RJ45, 2 x MLAN
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor per node, cTDP up to 500W	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
OS Compatibility	OS Support List	TPM	2 x TPM headers (SPI), Optional TPM2.0 kit: CTM010
Socket	4 x LGA 6096 (Socket SP5)	Power Supply	1+1 3200W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller ASPEED® AST2620 Chassis Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM, 48 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	Operating Properties	Operating coolant temperature: 20°C to 30°C Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	4 x 1Gb/s LAN (2 x Intel® I350-AM2), Support NCSI 2 x 10/100/1000 Mbps Management LAN	Packaging Content	1 x H173-Z80-IAS1 4 x CPU heatsinks 1 x Mini-DP to D-Sub cable
Video	Integrated in ASPEED® AST2600 x 2 - 2 x Mini-DP	Ordering Part Numbers	6NH173Z80DR000ICS1*
Storage	Bottom: 4 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Optional internal M.2: 2 x M.2 (2280/22110), PCIe Gen4 x4 ^[1] SAS card is required to support SAS drives.	Optional Parts	- M.2 expansion card - CMTP192: 6NH273Z82S1000IAW11 (12-in-1)
RAID	Require RAID add-in cards		

