

H174-A80-IAS1

High Density Server - Intel® Xeon® 6900 -
1U 2-Node DP 4-Bay Gen5 NVMe/SATA/SAS-4 Immersion



Key Features

- Immersion Cooling Server
- 1U 2-node server system
- Dual Intel® Xeon® 6900-Series Processors per node
- 12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs per node
- 4 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x LP PCIe Gen5 x16 slots
- 1+1 3200 W 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)	Storage	Bottom: 4 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1]
Motherboard	MA84-HD0		^[1] Optional cables and additional SAS cards are required to enable SATA and SAS drives.
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Dual processor per node, TDP up to 500 W	PCIe Expansion Slots	4 x LP PCIe Gen5 x16
OS Compatibility	OS Support List	I/O Ports	Top: 4 x USB 3.2 Gen1, 2 x Mini-DP, 4 x RJ45, 2 x MLAN
Socket	4 x LGA 7529 (Socket BR)	TPM	2 x TPM headers (SPI), Optional TPM 2.0 kit: CTM012 2 x PRoT connectors (only enabled on RoT SKU)
Chipset	System on Chip	Power Supply	1+1 3200 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
Memory	12-Channel DDR5 RDIMM/MRDIMM, 48 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s ^[1] ^[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.	Operating Properties	Operating coolant temperature: 20°C to 35°C Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	4 x 1 Gb/s LAN (2 x Intel® I350-AM2), Support NCSI 2 x 10/100/1000 Mb/s Management LAN	Packaging Content	1 x H174-A80-IAS1 4 x CPU heatsinks 1 x Mini-DP to D-Sub cable 4 x Carriers
Video	Integrated in ASPEED® AST2600 x 2 - 2 x Mini-DP	Ordering Part Numbers	6NH174A80DR000IAS1*



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

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