

H374-A81-AAW1

High Density Server - Intel® Xeon® 6 -
3U 4-Node DP 8-Bay Gen5 NVMe/SATA/SAS-4



Key Features

- 3U 4-node rear access server system
- Dual Intel® Xeon® 6900-Series Processors per node
- 12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs per node
- 8 x 1Gb/s LAN ports via Intel® I350-AM2
- 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 16 x LP PCIe Gen5 x16 slots
- Triple 3000W 80 PLUS Titanium redundant power supply

Applications

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

Specification

Dimensions	3U 4-Node - Rear access (W447 x H130.5 x D900 mm)	RAID	Require RAID add-in cards Onboard VROC key header
Motherboard	MA84-HD0	PCIe Expansion Slots	16 x LP PCIe Gen5 x16
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Dual processor per node - With 2 x LP cards at 35°C ambient, TDP up to 500W - With 4 x LP cards at 30°C ambient, TDP up to 500W	I/O Ports	Front: 1 x CMC status LED, 1 x CMC reset button Rear: 8 x USB 3.2 Gen1, 4 x Mini-DP, 8 x RJ45, 4 x MLAN
OS Compatibility	OS Support List	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Socket	8 x LGA 7529 (Socket BR)	TPM	4 x TPM headers (SPI), Optional TPM2.0 kit: CTM012 4 x PRoT connectors (only enabled on RoT SKU)
Chipset	System on Chip	Power Supply	Triple 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
Memory	12-Channel DDR5 RDIMM/MRDIMM, 96 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.	System Fans	4 x 92x92x76mm
LAN	8 x 1Gb/s LAN (4 x Intel® I350-AM2), Support NCSI 4 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 x 4 - 4 x Mini-DP	Packaging Content	1 x H374-A81-AAW1 8 x CPU heatsinks 1 x Mini-DP to D-Sub cable 8 x Carriers 1 x L-shape Rail kit
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] ^[1] Storage card is required to support SATA and SAS drives.	Ordering Part Numbers	6NH374A81DR000AAW1*



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

* All specifications are subject to change without notice. Please visit our website for the latest information.

* All trademarks and logos are the properties of their respective holders.

© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Jan 26, 2026

Designed by

