

H274-S61-AAW1

High Density Server - 2U 4-Node DP 8-Bay Gen5 NVMe/SATA/SAS-4



Key Features

- 2U 4-node rear access server system
- Dual Intel® Xeon® 6 Processors per node, LGA 4710
- 8-Channel DDR5 RDIMM / MRDIMM, 16 x DIMMs per node
- Dual ROM Architecture
- 8 x 1Gb/s LAN ports via Intel® I350-AM2
- 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x M.2 slots with PCIe Gen4 x4 interface **(optional)**
- 4 x LP PCIe Gen5 x16 slots
- 4 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 3000W 80 PLUS Titanium redundant power supply

Applications

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

Specification

Dimensions	2U 4-Node - Rear access (W440 x H87.5 x D877 mm)	PCIe Expansion Slots	4 x LP PCIe Gen5 x16 4 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
Motherboard	MS64-HD0	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
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor per node, TDP up to 270W - No OCP cards at 35°C ambient, TDP up to 350W - With OCP cards at 30°C ambient, TDP up to 350W	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
OS Compatibility	OS Support List	TPM	4 x TPM headers (SPI), Optional TPM2.0 kit: CTM012 4 x PPrOT connectors (only enabled on RoT SKU)
Socket	8 x LGA 4710 (Socket E2)	Power Supply	Dual 3000W 80 PLUS Titanium redundant power supply 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	8-Channel DDR5 RDIMM / MRDIMM, 64 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8000 MT/s ^[1] ^[1] MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores.	System Fans	4 x 80x80x80mm (16,500rpm)
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–35°C, 8%–80% (non-condensing) Non-operating: -40°C–60°C, 20%–95% (non-condensing)
Video	Integrated in ASPEED® AST2600 x 4 - 4 x Mini-DP	Packaging Content	1 x H274-S61-AAW1 8 x CPU heatsinks 1 x Mini-DP to D-Sub cable 16 x Carriers 1 x 3-Section Rail kit
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Internal M.2: 4 x M.2 (2260/2280/22110), PCIe Gen4 x4 ^[1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NH274S61DR000AAW1*
RAID	Require RAID add-in cards Onboard VROC key headers	Optional Parts	- C19 power cord 125V/15A (US): 25CP1-018000-Q0R - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R - M.2 riser card - CMTTP160: 9CMTTP160NR-00*



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.

© 2025 Giga Computing Technology Co., Ltd. All rights reserved.

Designed by

