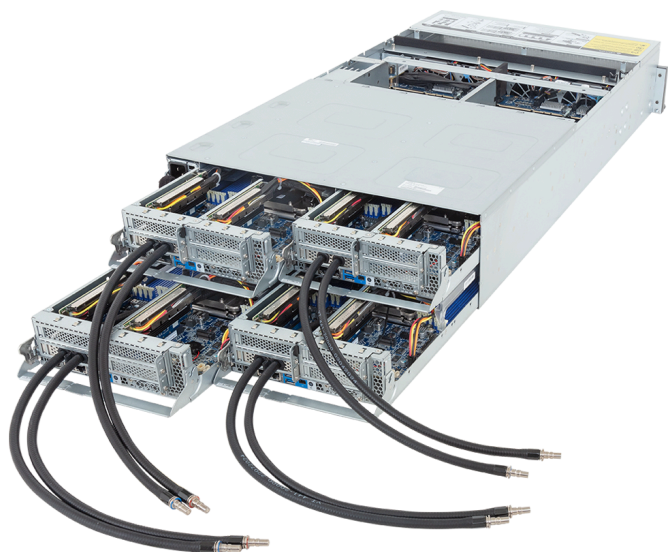


H374-A80-LAW1

High Density Server - 3U 4-Node DP 24-Bay Gen5 NVMe/SATA/SAS-4
DLC



CoolIT
systems™



Key Features

- Direct liquid cooling solution with leak detection
- 3U 4-node rear access server system
- Dual Intel® Xeon® 6 Processors per node, LGA 7529
- 12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs per node
- Dual ROM Architecture
- 8 x 1Gb/s LAN ports via Intel® I350-AM2
- 24 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 12 x LP PCIe Gen5 x16 slots
- 4 x LP PCIe Gen5 x16 slots (optional)
- 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 H130.8 x D895 mm)

Motherboard MA84-HD0

CPU Intel® Xeon® 6 Processors
- Intel® Xeon® 6900-Series Processors
Dual processor per node, TDP up to 500W

OS Compatibility [OS Support List](#)

Socket 8 x LGA 7529 (Socket BR)

Chipset System on Chip

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 only supported with Intel® Xeon® 6 Processors with P-cores.

Lan 8 x 1Gb/s LAN (4 x Intel® I350-AM2), Support NCSI
4 x 10/100/1000 Mbps Management LAN

Video Integrated in ASPEED® AST2600 x 4
- 4 x Mini-DP

Storage **Front hot-swap:**
24 x 2.5" Gen5 NVMe/SATA/SAS-4 [1]
[1] Storage card is required to support SATA and SAS drives.

RAID Require RAID add-in cards
Onboard VROC key header

PCIe Expansion Slots 12 x LP PCIe Gen5 x16
4 x **Optional** LP PCIe Gen5 x16

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

Backplane Board PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s

TPM 4 x TPM headers (SPI), Optional TPM2.0 kit: CTM012
4 x PRoT connectors (only enabled on RoT SKU)

Power Supply Triple 3000W 80 PLUS Titanium redundant power supply
AC Input: 100-240V
*The system power supply requires C19 power cord.

System Management ASPEED® AST2600 Baseboard Management Controller
ASPEED® AST2620 Chassis Management Controller
GIGABYTE Management Console web interface

System Fans 4 x 92x92x76mm

Operating Properties Operating: 10°C~35°C, 8%~80% (non-condensing)
Non-operating: -40°C~60°C, 20%~95% (non-condensing)

Packaging Content 1 x H374-A80-LAW1
4 x CoolIT CPU cold plate loops
1 x Mini-DP to D-Sub cable
8 x Carriers
1 x L-shape Rail kit

Ordering Part Numbers With cold plates: 6NH374A80DR000LAW1*
Without cold plates: 6NH374A80DZ000LAW1*

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



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

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