H174-A80-LAS1

High Density Server - Intel® Xeon® 6 - 1U 2-Node DP 4-Bay Gen5 NVMe/SATA/SAS-4 DLC
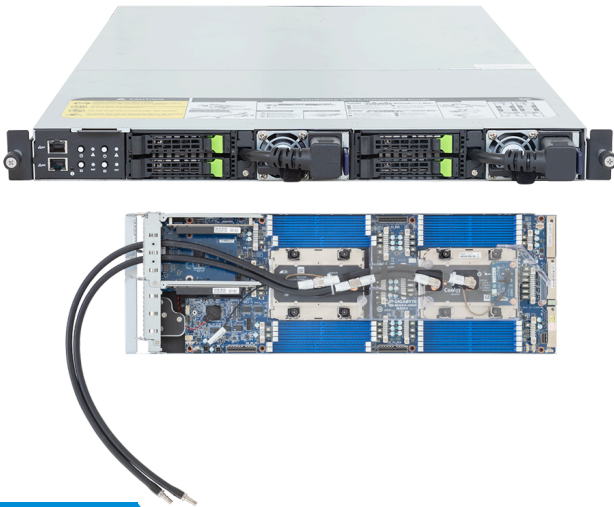
intel XEON **CoolIT systems**™

Key Features

- Direct liquid cooling solution with leak detection
- 1U 2-node rear access server system
- Dual Intel® Xeon® 6900-Series Processors per node
- 12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs per node
- 4 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 2 x LP PCIe Gen5 x16 slots
- 2 x LP PCIe Gen5 x16 slots **(optional)**
- 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 - Rear access (W440 x H43.4 x D856 mm)	**RAID**	Require RAID add-in cards Onboard VROC key header
Motherboard	MA84-HD0	**PCIe Expansion Slots**	2 x LP PCIe Gen5 x16 2 x LP PCIe Gen5 x16 **(optional)** [1] [1] Enabling the slots requires specific cold plate loops and tubes relocation.
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Dual processor per node, TDP up to 500W		
OS Compatibility	OS Support List	**I/O Ports**	**Front:** 2 x MLAN, 1 x CMC status LED **Rear:** 4 x USB 3.2 Gen1, 2 x Mini-DP, 4 x RJ45, 2 x MLAN
Socket	4 x LGA 7529 (Socket BR)		
Chipset	System on Chip		
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.	**Backplane Board**	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
		TPM	2 x TPM headers (SPI), Optional TPM2.0 kit: CTM012 2 x PRoT connectors (only enabled on RoT SKU)
LAN	4 x 1Gb/s LAN (2 x Intel® I350-AM2), Support NCSI 2 x 10/100/1000 Mbps Management LAN	**Power Supply**	1+1 3200W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Video	Integrated in ASPEED® AST2600 x 2 - 2 x Mini-DP		
Storage	**Front hot-swap:** 4 x 2.5" Gen5 NVMe/**SATA/SAS-4** [1] [1] Storage card is required to support SATA and SAS drives.	**System Fans**	6 x 40x40x28mm
		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) *To ensure system stability and prevent condensation, when the relative humidity exceeds 50%, the coolant inlet temperature must be higher than the dry-bulb temperature and it should not exceed 45°C.
		Packaging Content	1 x H174-A80-LAS1 2 x CoolIT CPU cold plate loops 1 x Mini-DP to D-Sub cable 4 x Carriers 1 x 3-Section Rail kit
		Ordering Part Numbers	6NH174A80DR000LAS1*

Designed by

GIGA COMPUTING