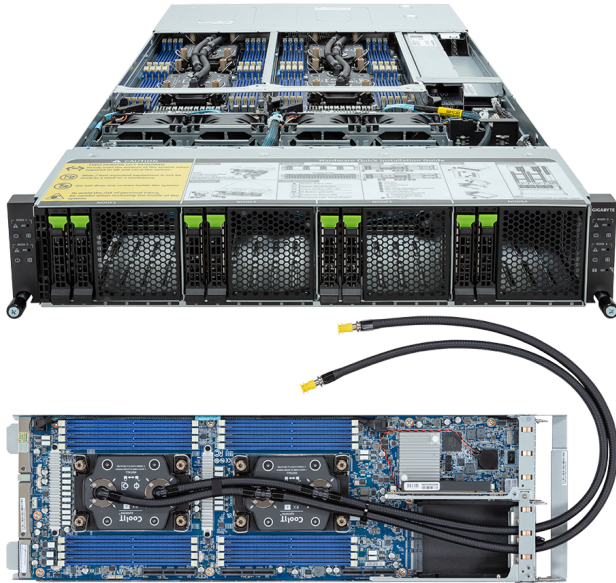


H263-S63-LAW1

High Density Server - 2U 4-Node DP 8-Bay Gen4 NVMe/SATA/SAS
3000W DLC



Key Features

- Direct liquid cooling solution
- 2U 4-node rear access server system
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors per node
- Dual Intel® Xeon® CPU Max Series per node
- 8-Channel DDR5 RDIMM, 16 x DIMMs per node
- Dual ROM Architecture
- 1 x CMC port
- 8 x 2.5" Gen4 NVMe/SATA/SAS 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...

Specification

Dimensions 2U 4-Node - Rear access (W440 x H87.5 x D850 mm)

Motherboard MS63-HD1

CPU 5th Generation Intel® Xeon® Scalable Processors
4th Generation Intel® Xeon® Scalable Processors
Intel® Xeon® CPU Max Series
Dual processor per node, TDP up to 385W

OS Compatibility [OS Support List](#)

Socket 8 x LGA 4677 (Socket E)

Chipset Intel® C741

Memory 8-Channel DDR5 RDIMM, 64 x DIMMs
[5th Gen Intel Xeon] Up to 5600 MT/s
[4th Gen Intel Xeon] Up to 4800 MT/s
[Intel Xeon Max Series] Up to 4800 MT/s

LAN 4 x 10/100/1000 Mbps Management LAN
1 x CMC Management LAN ^[1]

^[1] Please refer to optional parts for ring topology support.

Video Integrated in ASPEED® AST2600 x 4
- 4 x VGA ports

Storage **Front hot-swap:**
8 x 2.5" Gen4 NVMe/SATA/SAS ^[1]
Optional internal M.2:
4 x M.2 (2280/22110), PCIe Gen4 x4

^[1] SAS card is required to support SAS drives.

RAID Intel® SATA RAID 0/1
Onboard VROC key header
Support **optional** RAID add-in cards

PCIe Expansion Slots 4 x LP PCIe Gen5 x16
4 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI

I/O Ports **Front:**
1 x CMC status LED, 1 x CMC reset button
Rear:
8 x USB 3.2 Gen1, 4 x VGA, 4 x MLAN, 1 x CMC port

Backplane Board PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s

TPM 1 x TPM header (SPI), Optional TPM2.0 kit: CTM010

Power Supply Dual 3000W 80 PLUS Titanium redundant power supply
Available for 2+1 redundant power supply configuration (**optional**)
AC Input: 100-240V

*The system power supply requires C19 power cord.

System Management ASPEED® AST2600 Baseboard Management Controller
ASPEED® AST2520 Chassis Management Controller
GIGABYTE Management Console web interface

System Fans 4 x 80x80x38mm

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

Packaging Content 1 x H263-S63-LAW1
4 x CoolIT CPU cold plate loops
24 x Carriers
1 x 3-Section Rail kit

Ordering Part Numbers 6NH263S63DR000LBW1*

Optional Parts - M.2 riser card - CMTPO61: 9CMTPO61NR-00*
- Ring topology kit (10-kit package): 6NH263S62S1000AAN11
- GIGABYTE CPU cold plate loop: 25H26-3S62000-E01X (**QPA:4**)
- GIGABYTE 2U4N Manifold: 25H27-3Z80000-E07X (**1 set per rack**)
- CoolIT leak sensor board: 6NH263S62S1000LAN11 (**QPA:4**)



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

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