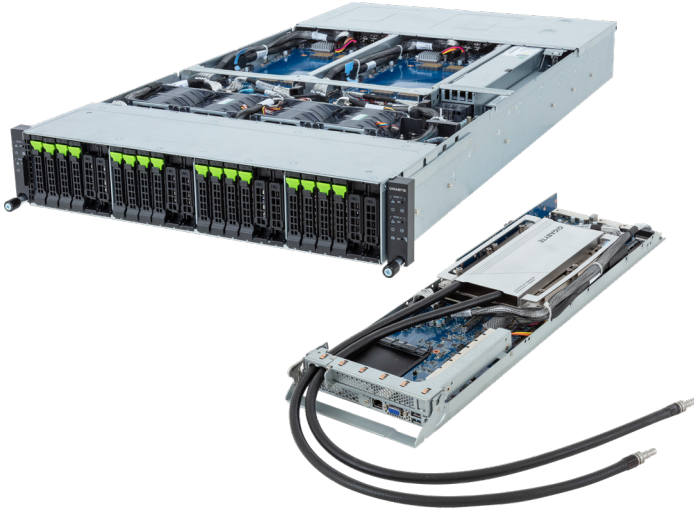


H263-V60-LAW1

High Density Arm Server - 2U 4-Node 16-Bay NVMe DLC



Features

- Direct liquid cooling solution
- High-performance CPU for HPC and cloud computing
- 2U 4-node rear access server system
- NVIDIA Grace CPU Superchip
- 900GB/s NVLink-C2C Interconnect
- Up to 960GB LPDDR5X ECC memory per module
- Compatible with NVIDIA BlueField®-3 DPUs
- 4 x Dedicated management and 1 x CMC ports
- 16 x 2.5" Gen5 NVMe hot-swappable bays
- 8 x M.2 slots with PCIe Gen5 x4 interface
- 4 x FHHL PCIe Gen5 x16 slots
- 4 x OCP 3.0 Gen5 x16 slots
- 2+1 3000W 80 PLUS Titanium redundant power supplies

Specification

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

Motherboard MV63-HD0

Superchip (per node) NVIDIA Grace CPU Superchip:
- 2 x Grace CPUs
- Connected with NVLink-C2C
- TDP up to 500W (CPU + memory)

Memory (per node) Up to 960GB of LPDDR5X memory with ECC
Memory bandwidth up to 1TB/s

LAN 4 x Dedicated management ports
1 x CMC port

Video Integrated in Aspeed® AST2600
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp

Management chip on CMC board:
Integrated in ASPEED AST2520A2-GP

Storage Total 16 x 2.5" Gen5 NVMe hot-swappable bays

Expansion Slots 4 x FHHL PCIe Gen5 x16 slots
4 x OCP 3.0 Gen5 x16 slots
8 x M.2 slots: M-key, PCIe Gen5 x4, supports 2280/22110 cards

Rear I/O 8 x USB 3.2 Gen1, 4 x VGA, 4 x MLAN, 1 x CMC port

TPM 1 x TPM header with SPI interface
Optional TPM2.0 kit: CTM012

Power Supply 2+1 3000W 80 PLUS Titanium redundant power supplies
AC Input: 100-240V

System Management ASPEED AST2600 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X)

OS Compatibility Ubuntu 22.04.3 arm64
Red Hat Enterprise Linux server 9.3 aarch64

System Fans 4 x 80x80x80mm (16,500rpm)

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

Packaging Content 1 x H263-V60-LAW1
1 x 3-Section Rail kit

Reference Numbers Barebone package: 6NH263V60MR000LAW1*
- Motherboard: 9MV63HD0UR-000
- 3-Section Rail kit: 25HB2-A66125-K0R
- Power supply: 25EP0-23000L-LOS

Optional parts:
- GIGABYTE Superchip coldplate loop: 25H26-3V60000-E43X (QPA:4)
- GIGABYTE 2U4N Manifold: 25H27-3Z80000-E07X (1 set per rack)



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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

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