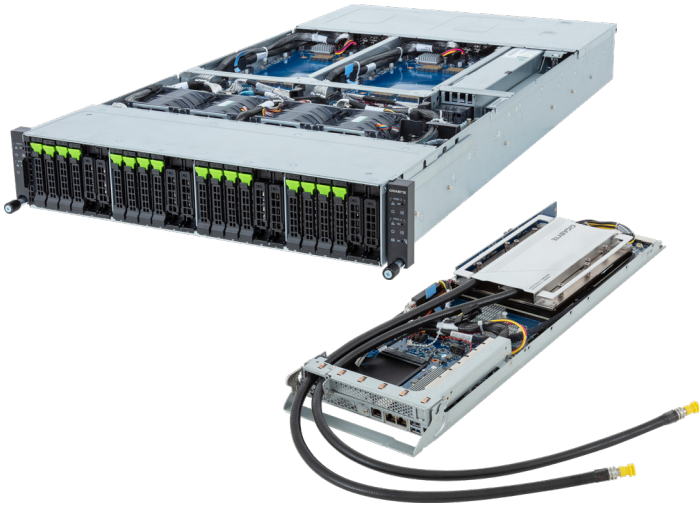


# H263-V11-LAW1

HPC/AI Arm Server - 2U 4-Node 16-Bay NVMe DLC



## Features

- Direct liquid cooling solution
- CPU+GPU design for giant-scale AI and HPC
- 2U 4-node rear access server system
- NVIDIA Grace Hopper Superchip
- 900GB/s NVLink-C2C Interconnect
- Up to 480GB CPU LPDDR5X ECC memory per module
- Up to 96GB GPU HBM3 (or upcoming 144GB GPU HBM3e)
- Compatible with NVIDIA BlueField®-3 DPUs
- 8 x 10Gb/s BASE-T, 4 x MLAN 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
- Triple 3000W 80 PLUS Titanium redundant power supply

## Specification

<b>Dimensions</b>	2U 4-Node - Rear access (W440 x H87.5 x D850 mm)	<b>Rear I/O</b>	8 x USB 3.2 Gen1, 4 x Mini-DP, 8 x RJ45, 4 x MLAN, 1 x CMC
<b>Motherboard</b>	MV13-HD0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM012
<b>Superchip (per node)</b>	NVIDIA Grace Hopper™ Superchip: - 1 x Grace CPU - 1 x Hopper H100 GPU - Connected with NVLink-C2C - TDP up to 1000W (CPU + GPU + memory)	<b>Power Supply</b>	Triple 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V
<b>Memory (per node)</b>	Grace CPU: - Up to 480GB of LPDDR5X memory with ECC - Memory bandwidth up to 512GB/s  Hopper H100 GPU: - Up to 96GB HBM3 or 144GB HBM3e (coming soon) - Memory bandwidth up to 4TB/s (or 4.9TB/s)	<b>System Management</b>	ASPEED AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>LAN</b>	8 x 10GbE LAN ports (4 x Intel® X550-AT2) - Support NCSI function 4 x Dedicated management ports 1 x CMC port	<b>OS Compatibility</b>	Ubuntu 22.04.3 arm64 Red Hat Enterprise Linux server 9.3 aarch64
<b>Video</b>	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	<b>System Fans</b>	4 x 80x80x80mm (16,500rpm)
<b>Storage</b>	Total 16 x 2.5" Gen5 NVMe hot-swappable bays	<b>Operating Properties</b>	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)
<b>Expansion Slots</b>	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	<b>Packaging Content</b>	1 x H263-V11-LAW1, 4 x Superchip coldplate loops, 1 x Mini-DP to D-Sub cable, 1 x 3-Section Rail kit
		<b>Reference Numbers</b>	Barebone package: 6NH263V11DR000LAW1* - Motherboard: 9MV13HD0NR-000 - Superchip coldplate loop: 25ST7-3000Z7-C4R - 3-Section Rail kit: 25HB2-A66125-K0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-23000L-L0S  Optional parts: - GIGABYTE Superchip coldplate loop: 25H26-3V10000-E29X (QPA:4) - GIGABYTE 2U4N Manifold: 25H27-3Z80000-E07X (1 set per rack)



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

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