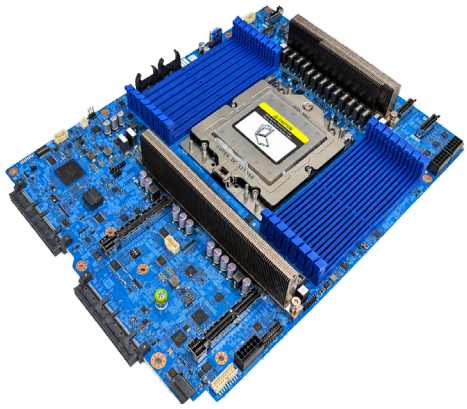

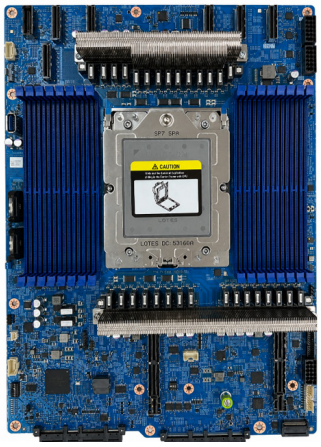

Hyve-Designed Motherboard HS9125-A

Featuring AMD VENICE SP7 1P HPM

Combines high core density, 16-channel memory bandwidth, and PCIe Gen6 I/O in a single-socket for cloud, edge inference and storage workloads. This DC-MHS HPM deploys across Hyve Solutions Axis™ 1U and 2U platforms.

Key Features

- Single-Socket / AMD VENICE SP7 Processor up to 600W
- DC-MHS SDNO B335 / 250mm x 335mm
- 16 DDR5 DIMM Slots / 16 Memory Channels / 64GB / 96GB / 128GB DIMM Configuration
- 5x PCIe Gen6 x16 Expansion Slots / 80 PCIe Lanes
- M.2 Boot Drive Supported
- 1x OCP3.0 Gen6 x16 NIC
- DC-SCM 2.1 HFF / AST2700 / AST1060 RoT / TPM 2.0 / AMI BIOS 64MB

Board Specifications

Form Factor / Dimensions	DC-MHS SDNO / 250mm x 335mm
CPU Socket / Supported Processors	LGA7536 / AMD VENICE 1P / 1 Socket
Expansion Slots / PCIe	5x PCIe Gen6 x16 Slots, Capable of x2, x4, x8, and x16 Bifurcation
Memory	16 DIMM slots / DDR5 DIMM / 8000 MT/s / 64 / 96 / 128GB Capacity
Storage Interfaces	Up to 2x M.2 2280 / 22110 Boot Devices Supported (M.2 Interposer)
Networking / LAN	1x OCP 3.0 Gen6 x16 NIC
Rear I/O Panel	1x USB 3.1/2.0 Type A (DC-SCM) 1x UART Connector (DC-SCM) 1x RJ45 Dedicated LAN (DC-SCM)

Fan Headers / Thermal Sensors	4056 / 6056 Fan Supported (Fan Board)
System Management	DC-SCM 2.1 HFF / AST2700 / OpenBMC
Security / TPM	Aspeed AST1060 RoT / TPM2.0 (DC-SCM)
Power Connectors	2x 3000W CRPS / MCRPS PSU (PDB)
BIOS / Firmware	AMI BIOS / 64MB
Operating Environment	5°~35°C

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