

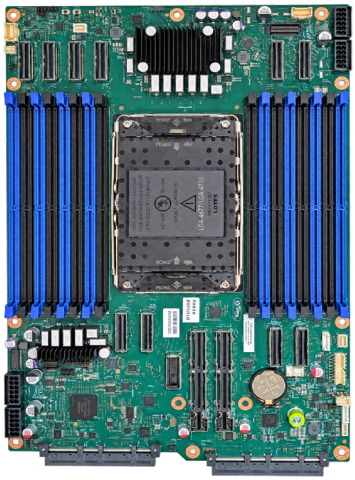

Hyve-Designed Motherboard HS9124-I

Featuring Single-Socket Intel® Xeon® 6 Processor with P-cores

Built for scale-out cloud, web services, and general compute where single-socket efficiency and lower platform complexity matter more than maximum per-node scale. This DC-MHS HPM deploys across Hyve Solutions Axis™ 1U and 2U platforms.

Key Features

- Single-Socket Intel Xeon 6 Processor with P-cores, up to 350W
- DC-MHS SDNO A305 / 207mm x 305mm
- 16 DDR5 DIMM Slots / 8 Memory Channels / 64GB / 96GB DIMM Configuration
- 7x PCIe Gen5 x16 Expansion Slots / 112 PCIe Lanes
- M.2 Boot Drive Supported
- 1x OCP3.0 Gen5 x16 NIC
- DC-SCM 2.0 HFF / AST2600 / AST1060 RoT / TPM 2.0 Management / AMI BIOS 64MB

Board Specifications

Form Factor / Dimensions	DC-MHS SDNO / 207mm x 305mm
CPU Socket / Supported Processors	LGA4710 / Intel Xeon 6 Processor Family / 1 Socket
Expansion Slots / PCIe	7x PCIe Gen5 x16 Slots, Capable of x2, x4, x8, and x16 Bifurcation
Memory	16 DIMM Slot / DDR5 DIMM / 5200 MT/s (2DPC) / 64 / 96GB Capacity
Storage Interfaces	Up to 2x M.2 2280/22110 Boot Devices Supported (M.2 Interposer)
Networking / LAN	1x OCP 3.0 Gen5 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 2.0 HFF / AST2600 / 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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