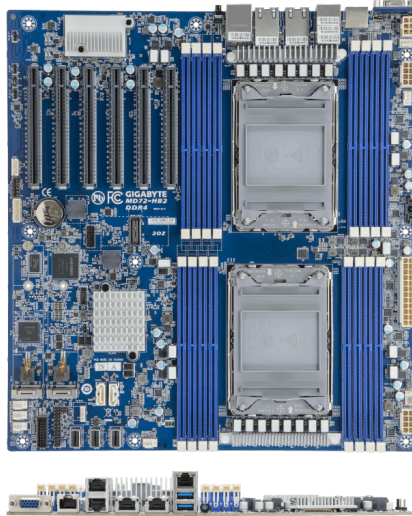


MD72-HB2 (Rev. 1.x)

Motherboard - 3rd Gen Intel® Xeon® Scalable Processors -
E-ATX, DP, 10 Gb/s LAN



Key Features

- Dual 3rd Gen Intel® Xeon® Scalable processors
- 8-Channel DDR4 RDIMM/LRDIMM per CPU with 16 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Intel® C621A Chipset
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x 1 Gb/s LAN ports via Intel® I210-AT
- 3 x SlimSAS 4i connectors supporting SATA
- 2 x SATA 7-pin ports
- 2 x M.2 slots with PCIe Gen4 x4
- 6 x PCIe x16 slots with Gen4 x16 lanes

Specification

Form Factor	E-ATX (W305 x D330 mm)	Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 6-pin ATX 12V power connector (for PCIe slots) 2 x CPU fan headers / 5 x System fan headers 1 x USB 3.2 Gen1 x2 header / 2 x M.2 slots 3 x SlimSAS 4i connectors / 2 x SATA 7-pin connectors 1 x VROC connector / 1 x Front panel header 1 x Backplane board header / 1 x PMBus header 1 x IPMB header / 1 x TPM header
CPU	3rd Generation Intel® Xeon® Scalable processors Dual processors, TDP up to 270 W	Rear I/O	2 x USB 3.2 Gen1 ports (Type-A) 1 x VGA port 1 x RJ45 serial port 4 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Socket	2 x LGA 4189 (Socket P+)	Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Chipset	Intel® C621A	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 6-pin ATX 12V power connector (for PCIe slots)
Memory	8-channel DDR4 RDIMM/LRDIMM, 16 x DIMMs Up to 3200/2933/2666 MT/s	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)
LAN	2 x 10 Gb/s LAN (1 x Intel® X710-AT2) 2 x 1 Gb/s LAN (2 x Intel® I210-AT) - Support NCSI (by switch) 1 x 10/100/1000 Mb/s Management LAN	Retail Packaging Content	1 x MD72-HB2 1 x I/O shield 1 x Quick start guide 1 x SlimSAS 4i to 4 x SATA cable (600 mm) Quantity: 10 x single boxes in one carton
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Bulk Packaging Content	10 x MD72-HB2 10 x I/O shields
Audio	N/A	Ordering Part Numbers	Retail: 9MD72HB2MR-00-1* Bulk: 9MD72HB2NR-00-1*
Storage Interface	SlimSAS: 3 x SlimSAS 4i for 12 x SATA, from PCH SATA 7-pin: 2 x SATA, from PCH M.2: 2 x M.2 (2280/22110), PCIe Gen4 x4	Optional Parts	- Fansink: 25ST4-353203-M1R
RAID	Intel® SATA RAID 0/1/10/5 Onboard VROC key header		
PCIe Expansion Slots	Slot_6: PCIe x16 (Gen4 x16), from CPU_0 Slot_5: PCIe x16 (Gen4 x16), from CPU_1 Slot_4: PCIe x16 (Gen4 x16), from CPU_1 Slot_3: PCIe x16 (Gen4 x16), from CPU_0 Slot_2: PCIe x16 (Gen4 x16), from CPU_0 Slot_1: PCIe x16 (Gen4 x16), from CPU_1		



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

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