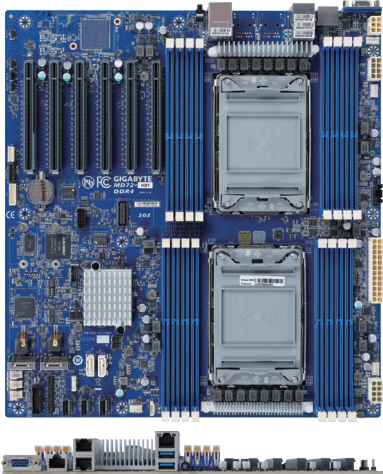


# MD72-HB1

## Intel Xeon E-ATX Server Motherboard



### Features

- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 16 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Intel® C621A Express Chipset
- 2 x 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 2 x 7-pin SATA 6Gb/s ports
- 3 x SlimSAS with 12 x SATA 6Gb/s ports
- 2 x Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 6 x PCIe Gen4 x16 expansion slots
- Aspeed® AST2500 management controller

### Specification

<b>Dimensions</b>	E-ATX (305W x 330D mm)	<b>Internal I/O</b>	1 x 24-pin ATX main power connector, 2 x 8-pin ATX 12V power connectors, 1 x 6-pin PCIe power connectors, 3 x SlimSAS connectors, 2 x 7-pin SATA connectors, 2 x M.2 slots, 1 x HDD back plane board header, 2 x CPU fan headers, 5 x System fan headers, 1 x USB 3.0 header, 1 x TPM header, 1 x VROC connector, 1 x Front panel header, 1 x PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper, 1 x Case open header
<b>CPU</b>	3rd Gen Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor 10nm technology, CPU TDP up to 270W	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Socket</b>	2 x LGA 4189 (Socket P+)	<b>OS Compatibility</b>	Windows Server 2016 / 2019 RHEL 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later Citrix Hypervisor 8.2.0 or later
<b>Chipset</b>	Intel® C621A Express Chipset	<b>Board Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	8-Channel DDR4 memory per processor, 16 x DIMM slots RDIMM modules up to 128GB supported LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 MHz	<b>PSU Connectors</b>	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
<b>LAN</b>	2 x 1Gb/s LAN ports (Intel® I210-AT) 1 x 10/100/1000 management LAN	<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>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Retail Packaging Content</b>	1 x MD72-HB1, 1 x I/O shield, 1 x Quick start guide, 1 x SlimSAS for 4 x SATAIII 6Gb/s cable
<b>SATA</b>	2 x 7-pin SATA 6Gb/s ports 3 x SlimSAS with 12 x SATA 6Gb/s ports	<b>Bulk Packaging Content</b>	10 x MD72-HB1, 10 x I/O shields Carton dimensions: 473 x 600 x 495 mm
<b>RAID</b>	Intel® SATA RAID 0/1/10/5	<b>Reference Numbers</b>	Retail: 9MD72HB1MR-00 Bulk: 9MD72HB1NR-00 - I/O shield: 12AIO-MD72HB-00R - SlimSAS for 4 x SATAIII 6Gb/s cable: 25CFM-550820-A4R
<b>Expansion Slots</b>	6 x PCIe x16 (Gen4 x16) slots 2 x M.2 slot: - M-key - PCIe Gen4 x4 per slot - Supports NGFF-22110/2280 cards		
<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 1 x COM (RJ45 type), 2 x RJ45, 1 x MLAN, 1 x ID button with LED		



Learn more about GIGABYTE server solutions, visit [www.gigabyte.com/Enterprise](http://www.gigabyte.com/Enterprise)

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