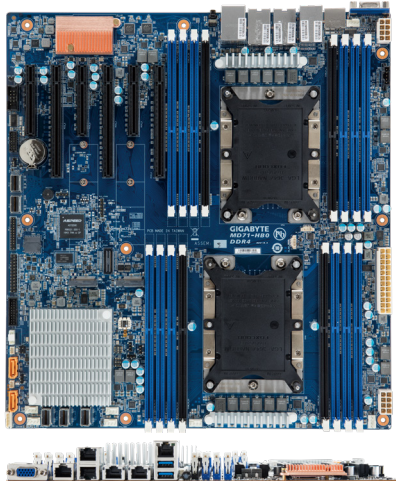


# MD71-HB0

## Intel Xeon E-ATX Server Motherboard



### Features

- 2nd Gen. Intel® Xeon® Scalable Processors
- Dual processor, LGA 3647
- 6-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- Supports Intel® Optane™ Persistent Memory
- 2 x 10Gb/s BASE-T and 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 3 x SlimSAS for 12 x SATA 6Gb/s ports
- 2 x SATA DOM supported
- 2 x M.2 slots with PCIe Gen3 x4 interface
- 2 x U.2 ports with PCIe Gen3 x4 interface
- 6 x PCIe Gen3 x16, x8 and x4 expansion slots
- ASPEED® AST2500 remote management controller

### Specification

<b>Form Factor</b>	E-ATX (305W x 330D mm)	<b>Internal I/O</b>	2 x SATA DOM power pin headers, 5 x SlimSAS connectors, 2 x 7-pin SATA connectors, 2 x CPU fan headers, 5 x System fan headers, 1 x USB 3.0 header, 1 x COM_2 header, 1 x VROC header, 1 x Front panel header, 1 x HDD backplane board header, 1 x PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper, 1 x Case open header, 1 x Buzzer
<b>CPU</b>	2nd Gen Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor and Intel® Xeon® Bronze Processor Dual processor, TDP up to 205W	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Socket</b>	2 x LGA 3647, Socket P	<b>OS Compatibility</b>	Windows Server 2012 R2 with Update / 2016 / 2019 RHEL 7.6 / 8.0 / 9.0 (x64) or later SLES 12 SP3 / 15 (x64) or later Ubuntu 18.04 LTS / 20.04 LTS / 22.04 LTS (x64) or later VMware ESXi 6.0 / 6.5 / 6.7 / 7.0 / 8.0 or later Citrix XenServer 7.1.0 CU2 / 7.5.0 / 8.0.0 or later
<b>Chipset</b>	Intel® C622 Chipset	<b>Board Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	6-Channel DDR4 memory, 16 x DIMM slots RDIMM modules up to 128GB supported LRDIMM modules up to 128GB supported Supports Intel® Optane™ Persistent Memory (DCPMM) 1.2V modules: 2933/2666/2400/2133 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 10Gb/s BASE-T LAN ports 2 x 1Gb/s LAN ports 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 MD71-HB0, 1 x I/O shield, 1 x Quick start guide, 2 x SlimSAS for 8 x SATAIII cables, 2 x Non-Fabric CPU carriers Single Box dimensions: 409 x 355 x 78 mm Carton dimensions: 729 x 415 x 432 mm Quantity: 10 x single boxes in one carton
<b>SATA</b>	3 x SlimSAS for 12 x SATA III 6Gb/s ports 2 x 7-pin SATA III 6Gb/s with SATA DOM supported	<b>Bulk Packaging Content</b>	10 x MD71-HB0, 10 x I/O shields, 20 x Non-Fabric CPU carriers Carton dimensions: 600 x 473 x 495 mm
<b>RAID</b>	Intel® SATA RAID 0/1/10/5	<b>Reference Numbers</b>	Retail: 9MD71HB0MR-00 Bulk: 9MD71HB0NR-00
<b>Expansion Slots</b>	3 x PCIe x16 (Gen3 x16) slots 2 x PCIe x16 (Gen3 x8) slots 2 x PCIe x8 (Gen3 x8) slots 1 x PCIe x8 (Gen3 x4) slot  2 x M.2 slots: - M-key, PCIe Gen3 x4, supports NGFF-2280/22110 cards  2 x U.2 ports: - SlimSAS type, PCIe Gen3 x4		
<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 1 x COM (RJ45), 4 x RJ45, 1 x MLAN		



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