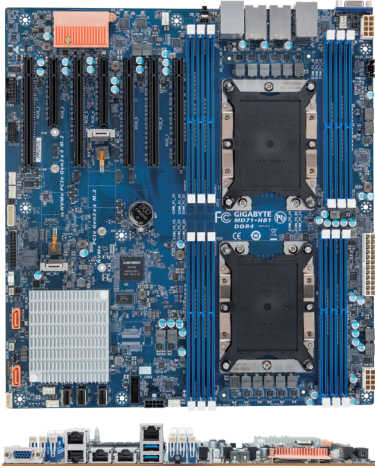


MD71-HB1

Intel Xeon Dual Sockets Server Motherboard



Features

- 2nd Gen. Intel® Xeon® Scalable Processors
- 6-Channel RDIMM/LRDIMM DDR4, 12 x DIMMs
- Supports Intel® Optane™ DC 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
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- Up to 7 x PCIe Gen3 expansion slots
- Aspeed® AST2500 remote management controller

Specification

Dimensions (WxHxD)	E-ATX 305W x 330D mm	Internal I/O	1 x 24-pin ATX main power connector, 2 x 8-pin ATX 12V power connectors, 2 x SATA DOM power pin headers, 3 x SlimSAS connectors, 2 x 7-pin SATA connectors, 2 x M.2 slots, 2 x CPU fan headers, 5 x System fan headers, 1 x USB 3.0 header, 1 x COM header, 1 x LPC TPM header, 1 x VROC connector, 1 x Front panel header, 1 x HDD back plane 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
CPU	2nd Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor and Intel® Xeon® Bronze Processor NOTE: If only 1 CPU is installed, some PCIe or memory functions might be unavailable	Rear I/O	2 x USB 3.0, 1 x VGA, 4 x RJ45, 1 x MLAN, 1 x ID button with LED
Socket	2 x LGA 3647, Socket P, TDP up to 205W Recommended Fan module: Dynatron B5	TPM	1 x TPM header with LPC interface Optional TPM2.0 kit: CTM000
Chipset	Intel® C622 Express Chipset	OS Compatibility	Windows Server 2012 R2 with Update / 2016 / 2019 RHEL 6.9 (x64) / 7.3 (x64) / 8.0 (x64) or later SLES 11.4 (x64) / 12.2 (x64)/ 15 (x64) or later Ubuntu 16.04.1 LTS (x64) / 18.04 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.0 Update3 / 6.5 / 6.7 / 7.0 or later Citrix Hypervisor 7.1.0 CU2 / 7.4.0 / 8.0.0 or later
Memory	12 x DIMM slots DDR4 memory supported only 8-Channel memory architecture RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported 1.2V modules: 2933/2666/2400 MHz	Board Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
LAN	2 x 10Gb/s BASE-T LAN ports (1 x Intel® X557-AT2) 2 x 1Gb/s ports 1 x 10/100/1000 management LAN	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Operating Properties	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)
SATA	3 x SlimSAS for 12 x SATA III 6Gb/s ports 2 x 7-pin SATA III 6Gb/s with SATA DOM supported	Retail Packaging Content	1 x MD71-HB1, 1 x I/O shield, 1 x Quick start guide, 1 x SlimSAS for 8 x SATAIII 6Gb/s cables, 2 x Non-Fabric CPU carrier Single Box dimensions: 409 x 355 x 78 mm Carton dimension: 729 x 415 x 432 mm Quantity: 10 x single box with one carton
RAID	Intel® SATA RAID 0/1/10/5	Bulk Packaging Content	10 x MD71-HB1, 10 x I/O shields Carton dimensions: 600 x 473 x 495 mm
Expansion Slots	Slot_7: 1 x PCIe x16 (Gen3 x16) slot Slot_6: 1 x PCIe x16 (Gen3 x16) slot Slot_5: 1 x PCIe x16 (Gen3 x16) slot Slot_4: 1 x PCIe x8 (Gen3 x8) slot, shared with Slot_5 Slot_3: 1 x PCIe x16 (Gen3 x16) slot Slot_2: 1 x PCIe x8 (Gen3 x8) slot from, shared with M.2 PCIe x4 Slot_1: 1 x PCIe x16 (Gen3 x16 bus) slot 2 x M.2 slots: - M-key, PCIe Gen3 x4 per slot - Supports NGFF-22110/2280 cards	Reference Numbers	Retail: 9MD71HB1MR-00 Bulk: 9MD71HB1NR-00

* All specifications are subject to change without notice. Please visit our website for the latest information.

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