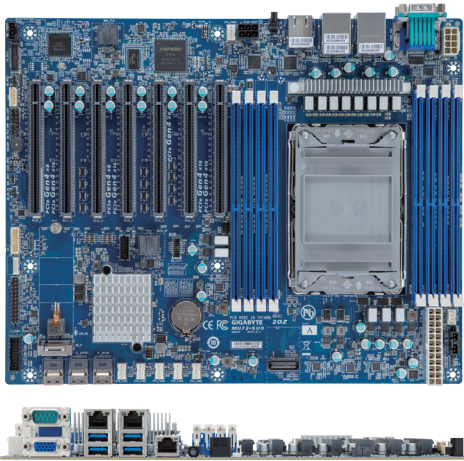


# MU72-SU0

## Intel Xeon ATX Server Motherboard



### Features

- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 8 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Intel® C621A Express Chipset
- Dual 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 3 x SlimSAS (for 12 x SATA 6Gb/s) ports
- Ultra-Fast M.2 and with PCIe Gen3 x4 interface
- Up to 7 PCIe Gen4 expansion slots
- Aspeed® AST2600 management controller

### Specification

**Dimensions** ATX (305W x 254D mm)

**CPU** 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

**Socket** 1 x LGA 4189 (Socket P+)

**Chipset** Intel® C621A Express Chipset

**Memory** 8-Channel DDR4 memory, 8 x DIMM slots  
RDIMM modules up to 64GB supported  
LRDIMM modules up to 128GB supported  
3DS RDIMM/LRDIMM modules up to 256GB supported  
1.2V modules: 3200/2933/2666 MHz

**LAN** 2 x 1Gb/s LAN ports (Intel® I210-AT)  
1 x 10/100/1000 management LAN

**Video** Integrated in Aspeed® AST2600  
2D Video Graphic Adapter with PCIe bus interface  
1920x1200@60Hz 32bpp, DDR4 SDRAM

**SATA** 3 x SlimSAS for 12 x SATA III 6Gb/s ports

**RAID** Intel® SATA RAID 0/1/10/5

**Expansion Slots**  
Slot\_7: 1 x PCIe x16 (Gen4 x16) slot  
Slot\_6: 1 x PCIe x16 (Gen4 x16 or x8) slot, shared with Slot\_5  
Slot\_5: 1 x PCIe x16 (Gen4 x0 or x8) slot  
Slot\_4: 1 x PCIe x16 (Gen4 x16 or x8) slot, shared with Slot\_3  
Slot\_3: 1 x PCIe x16 (Gen4 x0 or x8) slot  
Slot\_2: 1 x PCIe x16 (Gen4 x16 or x8) slot, shared with Slot\_1  
Slot\_1: 1 x PCIe x16 (Gen4 x0 or x8) slot  
  
1 x M.2 slot:  
- M-key, PCIe Gen3 x4  
- Supports NGFF-2280 cards

**Internal I/O** 1 x 24-pin ATX main power connector, 1 x 8-pin ATX 12V power connector, 1 x 6-pin ATX 12V power connector (for PCIe slot), 2 x SlimSAS connectors, 1 x M.2 slot, 1 x CPU fan header, 6 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 Buzzer

**Rear I/O** 4 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 1 x ID button with LED

**TPM** 1 x TPM header with SPI interface  
Optional TPM2.0 kit: CTM010

**OS Compatibility** 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

**Board Management** Aspeed® AST2600 management controller  
GIGABYTE Management Console (AMI MegaRAC SP-X)

**PSU Connectors** 1 x 24-pin ATX main power connector, 1 x 8-pin ATX 12V power connectors, 1 x 6-pin ATX 12V power connectors

**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)

**Retail Packaging Content** 1 x MU72-SU0, 1 x I/O shield, 1 x Quick start guide, 1 x SlimSAS for 4 x SATAIII 6Gb/s cable

**Bulk Packaging Content** 10 x MU72-SU0, 10 x I/O shields  
Carton dimensions: 600 x 473 x 495 mm

**Reference Numbers** Retail: 9MU72SU0MR-00  
Bulk: 9MU72SU0NR-0

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

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