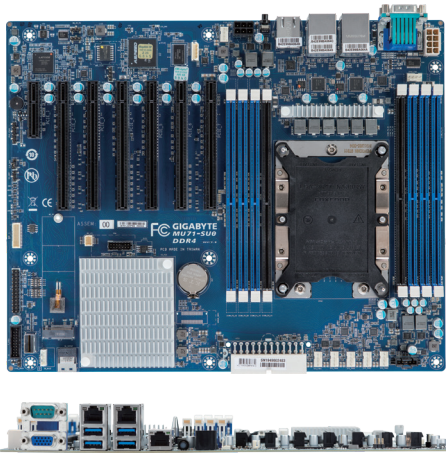


MU71-SU0

Intel Xeon ATX Server Motherboard



Features

- 2nd Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® W-3200 Processor Family
- 6-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- Supports Intel® Optane™ DC Persistent Memory
- Dual 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 2 x SlimSAS (for 8 x SATA 6Gb/s) ports
- Ultra-Fast M.2 and with PCIe Gen3 x4 interface
- Up to 7 PCIe Gen3 expansion slots
- Aspeed® AST2500 remote management controller

Specification

Dimensions (WxHxD) ATX
305W x 254D mm

CPU 2nd Generation Intel® Xeon® Scalable Processors
Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor,
Intel® Xeon® Silver Processor and Intel® Xeon® Bronze Processor
Intel® Xeon® W-3200 Processor Family

Socket 1 x LGA 3647, Socket P, CPU TDP up to 205W

Chipset Intel® C621 Express Chipset

Memory 8 x DIMM slots
DDR4 memory supported only
6-channel memory architecture
RDIMM modules up to 64GB supported
LRDIMM modules up to 128GB supported
1.2V modules: 2933/2666/2400/2133 MHz

NOTE: 1. 2933MHz for 2nd Generation Intel® Xeon® Scalable Processors only
2. Intel® Optane™ DC Persistent Memory is supported for 2nd Generation Intel® Xeon® Scalable Processors only

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

Video Integrated in Aspeed® AST2500
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp, DDR4 SDRAM

SATA 2 x SlimSAS for 8 x SATA III 6Gb/s ports

RAID Intel® SATA RAID 0/1/10/5

Expansion Slots Slot_7: 1 x PCIe x16 (Gen3 x0 or x8) slot
Slot_6: 1 x PCIe x16 (Gen3 x16 or x8) slot, shared with Slot_7
Slot_5: 1 x PCIe x16 (Gen3 x0 or x8) slot
Slot_4: 1 x PCIe x16 (Gen3 x16 or x8) slot, shared with Slot_5
Slot_3: 1 x PCIe x16 (Gen3 x0 or x8) slot
Slot_2: 1 x PCIe x16 (Gen3 x16 or x8) slot, shared with Slot_3
Slot_1: 1 x PCIe x4 (Gen3 x4) 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 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) or later / 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 XenServer 7.1.0 CU2 / 7.4.0 / 8.0.0 or later

Board Management Aspeed® AST2500 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 (for PCIe slot)

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 MU71-SU0, 1 x I/O shield, 1 x Quick start guide,
2 x SlimSAS for 8 x SATAIII 6Gb/s cables

Single Box dimensions: 360 x 330 x 80 mm
Carton dimension: 674 x 424 x 385 mm
Quantity: 10 x single box with one carton

Bulk Packaging Content 10 x MU71-SU0, 10 x I/O shields
Carton dimensions: 600 x 473 x 495 mm

Reference Numbers Retail: 9MU71SU0MR-00
Bulk: 9MU71SU0NR-00
- VGA Cable: 25CRG-1K1600-B0R in option

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

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