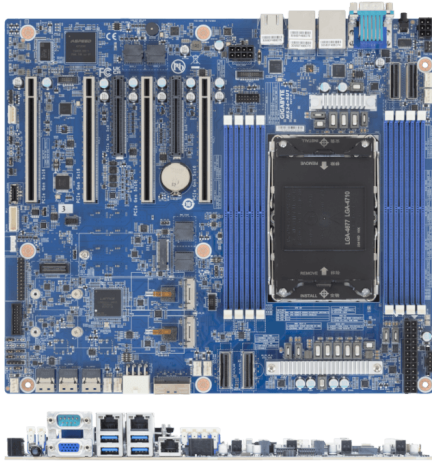


MS24-SU1 (Rev. 1.x)

Motherboard - Intel® Xeon® 6700/6500-Series Processors R1S - CEB UP



Key Features

- Single Intel® Xeon® 6700/6500-series processors with 136 PCIe lanes
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 8 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I210-AT
- 1 x MCIO 8i connector supporting PCIe Gen5 x8
- 4 x MCIO 8i connectors supporting PCIe Gen5 x8, **require 136 PCIe lanes CPU**
- 3 x SlimSAS 4i connectors supporting SATA
- 2 x M.2 slots with PCIe Gen5 x2
- 4 x PCIe x16 slots with Gen5 x16 lanes
- 2 x PCIe x8 slots with Gen5 x8 lanes, **require 136 PCIe lanes CPU**

Specification

Form Factor	CEB (W304.8 x D266.7 mm)	Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors (for CPU) 1 x 6-pin ATX 12V power connector (for PCIe slot) 1 x 4-pin CPU fan header / 1 x 3-pin CPU fan header 6 x System fan headers / 1 x USB 3.2 Gen1 x2 header 2 x M.2 slots / 5 x MCIO 8i connectors 3 x SlimSAS 4i connectors / 1 x VROC connector 1 x NCSI connector / 1 x Front panel header 1 x Backplane board header / 1 x PMBus header 1 x IPMB header / 1 x TPM header 1 x PRoT connector (only enabled on RoT SKU)
CPU	Intel® Xeon® 6 processors - Intel® Xeon® 6700-series processors - Intel® Xeon® 6500-series processors Single processor, TDP up to 350 W	Rear I/O	4 x USB 3.2 Gen1 ports (Type-A) 1 x VGA port 1 x Serial port 2 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Socket	1 x LGA 4710 (Socket E2)	Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Memory	8-Channel DDR5 RDIMM/MRDIMM, 8 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8000 MT/s ^[1] ^[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.	Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
OS Compatibility	OS Support List	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors (for CPU) 1 x 6-pin ATX 12V power connector (for PCIe slot)
LAN	1 x 1 Gb/s LAN (1 x Intel® I210-AT), Support NCSI 1 x 1 Gb/s LAN (1 x Intel® I210-AT) 1 x Management LAN	Operating Properties	Operating: 10°C to 40°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Retail Packaging Content	1 x MS24-SU1 1 x I/O shield 2 x CPU carriers Quantity: 10 x single boxes in one carton
Storage Interface	MCIO: 1 x MCIO 8i for 2 x Gen5 NVMe 4 x MCIO 8i for 8 x Gen5 NVMe ^[1] SlimSAS: 3 x SlimSAS 4i for 12 x SATA M.2: 2 x M.2 (2280/22110), PCIe Gen5 x2 ^[1] Require CPU with 136 PCIe lanes.	Bulk Packaging Content	10 x MS24-SU1 10 x I/O shields 20 x CPU carriers
RAID	Onboard VROC key header	Ordering Part Numbers	Retail: 9MS24SU1DR-000-1* Bulk: 9MS24SU1UR-000-1*
PCIe Expansion Slots	Slot_7: PCIe x16 (Gen5 x16) Slot_6: PCIe x8 (Gen5 x8) ^[1] Slot_5: PCIe x16 (Gen5 x16) Slot_4: PCIe x8 (Gen5 x8) ^[1] Slot_3: PCIe x16 (Gen5 x16) Slot_1: PCIe x16 (Gen5 x16) 1 x MCIO 8i (Gen5 x8) 4 x MCIO 8i (Gen5 x8) ^[1] ^[1] Require CPU with 136 PCIe lanes.		



Learn more at: <https://www.gigabyte.com/Enterprise>

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