

GIGABYTE MS33-AR1 motherboard Intel C741 LGA 4677 (Socket E)  
Extended ATX

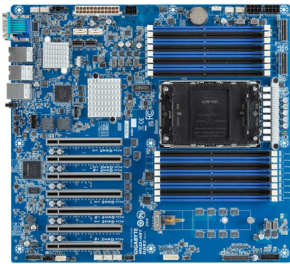
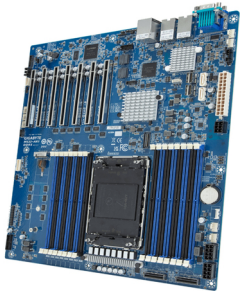
Brand : GIGABYTE

Product code: MS33-AR1

Product name : MS33-AR1

- Single 5th/4th Gen Intel® Xeon® Scalable Processors
- Single Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 16 x DIMMs
- Intel® C741 Chipset
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 2 x MCIO 8i (PCIe Gen5 x8) connectors
- 2 x SlimSAS connectors for 8 x SATA 6Gb/s
- 2 x SATA 6Gb/s ports
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 7 x PCIe Gen5 x16 and x8 expansion slots

Motherboard - 5th/4th Gen Intel® Xeon® Scalable - E-ATX UP Broadcom Ethernet Controller  
GIGABYTE MS33-AR1. Processor manufacturer: Intel, Processor socket: LGA 4677 (Socket E), Compatible processor series: Intel® Xeon®. Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: SATA III, SlimSAS, RAID levels: 0, 1, 5, 10. On-board graphics card model: Aspeed AST2600. Ethernet interface type: Gigabit Ethernet, LAN controller: Broadcom BCM57416



| Processor                              |                     | Rear panel I/O ports              |                   |
|----------------------------------------|---------------------|-----------------------------------|-------------------|
| Processor manufacturer *               | Intel               | Ethernet LAN (RJ-45) ports *      | 2                 |
| Processor socket *                     | LGA 4677 (Socket E) | VGA (D-Sub) ports quantity *      | 1                 |
| Compatible processor series *          | Intel® Xeon®        | COM ports quantity                | 1                 |
| Memory                                 |                     | Network                           |                   |
| Supported memory types *               | DDR5-SDRAM          | Ethernet LAN                      | ✓                 |
| Number of memory slots *               | 16                  | Ethernet interface type           | Gigabit Ethernet  |
| Memory slots type                      | DIMM                | LAN controller                    | Broadcom BCM57416 |
| Memory channels                        | Hexa-channel        | Wi-Fi *                           | ✗                 |
| Supported memory clock speeds          | 4400,4800,5600 MHz  | Features                          |                   |
| Maximum internal memory *              | 256 GB              | Motherboard chipset *             | Intel C741        |
| Maximum RDIMM memory                   | 96 GB               | Product colour                    | Blue              |
| Storage controllers                    |                     | Component for *                   | Server            |
| Supported storage drive interfaces *   | SATA III, SlimSAS   | Motherboard form factor *         | Extended ATX      |
| Number of storage drives supported     | 4                   | Motherboard chipset family *      | Intel             |
| RAID support                           | ✓                   | Power source type                 | ATX               |
| RAID levels                            | 0, 1, 5, 10         | Expansion slots                   |                   |
| Graphics                               |                     | PCI Express x8 (Gen 5.x) slots    | 3                 |
| On-board graphics card model           | Aspeed AST2600      | PCI Express x16 (Gen 5.x) slots   | 4                 |
| Internal I/O                           |                     | Number of M.2 (M) slots           | 1                 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1                   | Operational conditions            |                   |
| Number of SATA III connectors *        | 2                   | Storage temperature (T-T)         | 10 - 40 °C        |
| Front panel connector                  | ✓                   | Operating temperature (T-T)       | -40 - 60 °C       |
| ATX Power connector (24-pin)           | ✓                   | Operating relative humidity (H-H) | 8 - 80%           |
| CPU fan connector                      | ✓                   | Storage relative humidity (H-H)   | 20 - 95%          |
| EPS power connector (8-pin)            | ✓                   | Packaging data                    |                   |
|                                        |                     | Package width                     | 409 mm            |

| Internal I/O                                      |   | Packaging data      |          |
|---------------------------------------------------|---|---------------------|----------|
| Number of EPS power connectors (8-pin)            | 2 | Package depth       | 355 mm   |
| TPM connector                                     | ✓ | Package height      | 78 mm    |
| Rear panel I/O ports                              |   | Weight & dimensions |          |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Width               | 304.8 mm |
|                                                   |   | Depth               | 330.2 mm |
|                                                   |   | Packaging content   |          |
|                                                   |   | Cables included     | SATA     |



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### Catalog Object Cloud



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