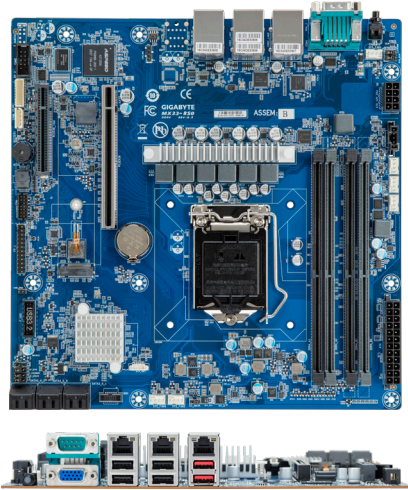


MX33-BS0

Intel Xeon E microATX Server Motherboard



Features

- Entry and small business server board
- Micro ATX form factor
- Intel® Xeon® E-2300 series processors
- Intel® C252 Express Chipset
- 4 x UDIMM slots, DDR4 3200MHz
- 2 x GbE LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 6 x 7-pin SATA 6Gb/s ports
- Ultra-Fast M.2 PCIe Gen3 x4 interface
- 2 x USB 3.2 Gen2 ports supported
- 2 x PCIe Gen4 expansion slots

Specification

| | | | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor | microATX (244W x 244D mm) | Internal I/O | 1 x 24-pin ATX main power connector, 1 x 8-pin ATX 12V power connector, 6 x SATA III 6Gb/s ports, 1 x M.2 slot, 1 x CPU fan header, 5 x System fan headers, 1 x USB 3.2 Gen1 header, 1 x COM2 header, 1 x back panel connector, 1 x TPM header, 1 x Front panel header, 1 x JTAG BMC header, 1 x Case Open header, 1 x BIOS recovery jumper, 1 x ME recovery jumper, 1 x ME update jumper, 1 x Clear CMOS jumper, 1 x S3 mask jumper, 1 x IPMB connector, 1 x PMBus connector, 1 x Buzzer |
| CPU | Intel® Xeon® E-2300 series processors 11th Gen. Intel Pentium® processors CPU TDP up to 95W | TPM | 1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010 |
| Socket | 1 x LGA 1200 (Socket H5) | OS Compatibility | Windows Server 2016 x64 / 2019 x64 RHEL 6.9 x64 / 7.3 x64 SLES 11.2 x64 / 12.2 x64 Ubuntu 16.04.6 LTS x64 / 18.04.2 LTS x64 VMware 6.5 Citrix Hypervisor 8.0.0 Citrix XenServer 7.1 CU2 LTSR |
| Chipset | Intel® C252 Express Chipset | Board Management | Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X) |
| Memory | 2-Channel DDR4 memory, 4 x DIMM slots Supports 1.2V DDR4 memory ECC UDIMM modules supported Total capacity up to 128GB Supported speeds: 3200/2666 MHz | 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) |
| LAN | 2 x GbE LAN ports (Intel® I210-AT) 1 x 10/100/1000 management LAN | Retail Packaging Content | 1 x MX33-BS0, 1 x I/O shield, 1 x Quick start guide, 4 x SATA 6Gb/s cables |
| Video | Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM | Bulk Packaging Content | 10 x MX33-BS0, 10 x I/O shields Carton dimensions: 473 x 600 x 495 mm |
| Audio | in option | Reference Numbers | Retail: 9MX33BS0MR-00 Bulk: 9MX33BS0NR-00 I/O shield: 12AIO-MX23C0-10R TPM module: 9CTM010NR-00 (optional kit) |
| SATA | 6 x SATA 6Gb/s ports | | |
| RAID | Intel® SATA RAID 0/ 1/ 10/ 5 | | |
| Expansion Slots | 1 x PCIe x16 (Gen4x16) slot 1 x PCIe x8 (Gen4x4) slot 1 x M.2 slot (PCIe Gen3 x4) - M-key - Supports NGFF-2280/2242 cards | | |
| Rear I/O | 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 2 x USB 3.2 Gen2, 4 x USB 2.0, 1 x ID switch | | |



Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

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