

MX32-BS0

Entry-level Server Motherboard



Features

- Entry and small business server board
- microATX form factor
- Intel® Xeon® Processor E-2100/E-2200 series
- Single processor, LGA 1151
- Intel® C242 Chipset
- 4 x UDIMM slots, DDR4 2666/2400MHz
- 2 x GbE LAN ports (Intel® I210)
- 1 x Dedicated management port
- 6 x SATA III 6Gb/s ports, 2 x SATA DOM supported
- 1 x M.2 slot PCIe Gen3 x2 interface
- 2 x PCIe Gen3 x16 and x4 expansion slots
- ASPEED® AST2500 remote management controller

Specification

Form Factor	microATX (244W x 244D mm)	Internal I/O	6 x SATAIII ports, 1 x USB 2.0 vertical port, 1 x CPU fan header, 4 x System fan headers, 1 x USB 3.0 header, 1 x USB 2.0 header, 1 x COM port header, 1 x back panel header, 1 x SATA SGPIO header, 2 x SATA DOM headers, 1 x Front panel header, 1 x JTAG BMC header, 1 x Chassis intrusion header, 1 x Vboot selection jumper, 1 x BIOS recovery jumper, 1 x ME recovery jumper, 1 x ME update jumper, 1 x Force EN jumper, 1 x SMBus selection jumper, 1 x Clear CMOS jumper, 1 x BIOS password jumper, 1 x M3 mask jumper, 1 x IPMB connector, 1 x PMBus connector, 1 x Buzzer
CPU	Intel® Xeon® Processor E-2100/E-2200 series 8th Gen. Intel Core™ i3/ Pentium®/ Celeron® Processors Single processor	OS Compatibility	Windows Server 2012 R2 with Update / 2016 RHEL 6.9 / 7.3 (x64) SLES 11.4 / 12.2 (x64) Ubuntu 16.04.2 LTS (x64) VMware ESXi 6.5
Socket	1 x LGA 1151	Board Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	Intel® C242 Chipset	PSU Connectors	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector
Memory	2-Channel DDR5 memory, 4 x DIMM slots Supports 1.2V DDR4 memory ECC UDIMM modules supported Up to 64GB Supported speeds: 2666/2400 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) 1 x 10/100/1000 management LAN	Retail Packaging Content	1 x MX32-BS0, 1 x I/O shield, 1 x Quick start guide, 4 x SATA III 6Gb/s cables Box dimensions: 321 x 308.5 x 78.5 mm
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Bulk Packaging Content	10 x MX32-BS0, 10 x I/O shields Carton dimensions: 609 x 581 x 362 mm
SATA	6 x SATA III 6Gb/s ports SATA4/SATA5 support SATA DOM	Reference Numbers	Retail: 9MX32BS0MR-00 Bulk: 9MX32BS0NR-00
RAID	Intel® SATA RAID 0/1/10/5		
Expansion Slots	1 x PCIe x16 (Gen3 x16) slot 1 x PCIe x8 (Gen3 x4) slot 1 x M.2 slot: - M-key, PCIe Gen3 x2, supports NGFF-2242/2260/2280 cards		
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010		
Rear I/O	1 x COM, 1 x VGA, 2 x RJ45, 1 x MLAN, 2 x USB 3.0		



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