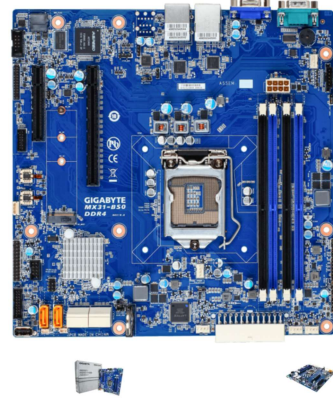


MX31-BS0 (rev. 1.1)

Intel® C232 chipset

- microATX form factor
- Intel® Xeon® processors E3-1200 V6/V5 product family
- Intel® C232 Express Chipset
- 4 x DIMM slots, DDR4 2400MHz
- 2 x GbE LAN ports (Intel® I210)
- 6 x SATA III 6Gb/s
- 1 x M.2 slot



ÜBERSICHT **SPEZIFIKATION** UNTERSTÜTZUNG RESOURCES

Form Factor

microATX
244W x 244D (mm)

CPU

Supports Intel® Xeon® processor E3-1200 V6/V5 product family
Supports 7th/6th Gen Intel® Core™ i3 processors, Intel® Celeron® processors, Intel® Pentium® processors

Socket

1 x LGA 1151

Chipset

Intel® C232 Express Chipset

Memory

4 x DIMM slots
Dual channel memory architecture
Supports 1.2V DDR4 memory
ECC UDIMM modules supported
Up to 64GB
Supported speeds: 2400/2133 MHz

LAN

2 x GbE LAN ports (Intel® I210)

Video

Integrated in Aspeed® AST2400
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp

Audio

-

NVMe

-

SAS

-

SATA

6 x SATA III 6Gb/s ports

RAID

Intel® SATA RAID 0/1/10/5

Expansion Slots

- 1 x PCIe x16 (Gen3 x16 bus) slot
- 1 x PCIe x8 (Gen3 x4 bus) slot
- 1 x M.2 (Gen3 x1 bus) slot:
 - PCIe signal only
 - M key
 - Max. width: 22mm
 - Max. length: 80mm

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 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 S/PDIF-Out header
- 1 x S/PDIF-In header
- 1 x Serial header
- 1 x TPM header
- 1 x SATA SGPIO header
- 2 x SATA DOM headers
- 1 x Front panel header
- 1 x JTAG PLD 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

Rear I/O

- 1 x Serial
- 1 x VGA
- 2 x RJ45
- 2 x USB 2.0
- 2 x USB 3.0

TPM

- 1 x TPM header

OS Supported

- Windows Server 2012 R2
- Windows Server 2016
- RHEL 7.2 (x64)
- Ubuntu 12.04 LTS x64
- Ubuntu 14.04 LTS x64
- SUSE Linux Enterprise Server 11.4 x64
- SUSE Linux Enterprise Server 12 x64
- VMware 5.5 U3 (x64)
- VMware 6.0 U1 (x64)

Board Management

- Aspeed® AST2400 management controller
- Avocent® MergePoint IPMI 2.0 web interface:
 - Network settings
 - Network security settings
 - Users control
 - Services settings
 - IPMI settings
 - Sessions control
 - LDAP settings
 - Power control
 - Voltages, fans and temperatures monitoring
 - System event log
 - Events management (platform events, trap settings, email settings)
 - Serial Over LAN
 - vKVM & vMedia (launch, configuration)

PSU Connectors

- 1 x 24-pin ATX main power connector
- 1 x 8-pin ATX 12V power connector

Operating Properties

- Operating temperature: 0°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 MX31-BS0
- 1 x I/O shield
- 1 x Quick start guide
- 2 x SATA III 6Gb/s cables
- Box dimensions: 321 x 308.5 x 78.5 mm

Bulk Packaging Content

- 10 x MX31-BS0
- 10 x I/O shields
- Carton dimensions: 600 x 386 x 368 mm

Reference Numbers

- Retail: 9MX31BS0MR-00
- Bulk: 9MX31BS0NR-00

* Das vorliegende Material dient nur zur Referenz. GIGABYTE behält sich das Recht vor, ohne Vorwarnung Inhalte zu verändern oder zu entfernen.

* Die beworbene Leistung basiert auf den maximal theoretischen Werten der Chipsethersteller oder von Organisationen, die die Interface-Spezifikationen erstellt haben. Die aktuelle Performance kann je nach Systemkonfiguration variieren.

* Alle Trademarks und Logos sind Eigentum der Markeninhaber.

* Aufgrund der Standard-PC-Architektur ist ein Teil des Speichers für die Nutzung des Systems reserviert und daher kann die aktuelle Speichergröße von der Speicherangabe abweichen.

ÜBER GIGABYTE CONSUMER UNTERNEHMEN SOLUTION UNTERSTÜTZUNG

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