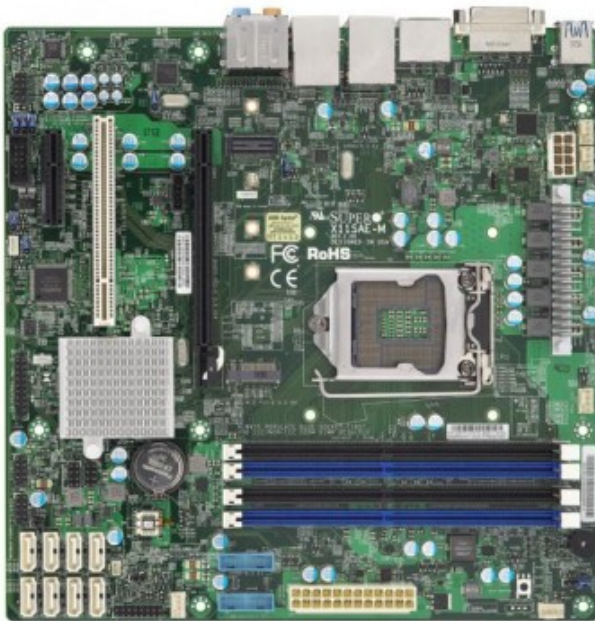


# Supermicro MBD-X11SAE-M, Single SKT, Intel C236 Chipset, SATA, 2xGbE,M.2 Bulk

Part number: MBD-X11SAE-M-B



Category	Workstation
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Xeon E3-1200v5 Intel Core 6th Gen.
Chipset	Intel C236 Skylake
Memory Type	DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	64 GB
# of PCIe x16 3.0	1
# of PCIe x4 3.0	1
# of USB Ports	2 x USB 3.1 (rear) 2 x USB 3.0 (rear) 4 x USB 3.0 (header) 2 x USB 2.0 (rear) 4 x USB 2.0 (header)
# of SATA Ports	8
Storage Controllers	8 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i219LM Port Gigabit Ethernet Intel i210AT Port Gigabit Ethernet
TPM	1 x TPM 1.2 20-pin Header

## Product SKUs

MBD-X11SAE-M • X11SAE-M (Bulk Pack)

## Physical Stats

Form Factor • Micro-ATX

Dimensions • 9.6" x 9.6" (24.38cm x 24.38cm)

## Processor/Cache

CPU

- Intel® 6th Generation Core™ i3 series
- Intel® 6th Generation Core™ i5 series
- Intel® 6th Generation Core™ i7 series
- Intel® Xeon® processor E3-1200 v5 series
- Socket H4 (LGA 1151) supported; CPU TDP support Up to 95W TDP

## System Memory

Memory Capacity

- Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots
- 2133/1866/1600MHz ECC DDR4

Memory Type

SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs

DIMM Sizes

- 4GB, 8GB, 16GB

Memory Voltage

- 1.2 V

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

## On-Board Devices

Chipset

- Intel® C236
- Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10; + 1 PCIe M.2(Pcie x4, 2242/2260/2280/22110)(No Raid Support)

SATA

- Single LAN with Intel® Ethernet Controller I210-AT

Network Controllers

- Single LAN with Intel® PHY I219LM LAN controller

Audio

- ALC 888S HD Audio

## Input / Output

USB

- 6 USB 2.0 ports (2 rear, 4 via header)
- 6 USB 3.0 ports (2 rear, 4 via header)
- 2 USB 3.1 (10 Gb/s) ports (2 Rear)

Video Output

- 1 DVI - D, 1 DP (DisplayPort), 1 HDMI
- \*\*\*DP support up to DP1.2, HDMI support up to HDMI1.4\*\*\*

Serial Port / Header

- 1 COM Ports (1 header)

TPM

- 1 TPM 2.0 Header

## Expansion Slots

PCI-E

- 1 PCI-E 3.0 x16
- 1 PCI-E 3.0 x4
- 1 - 5V PCI 32bit

## System BIOS

BIOS Type

- AMI UEFI
- Plug and Play (PnP)
- DMI 2.3
- PCI 3.0
- ACPI 5.0

BIOS Features

- USB Keyboard support
- Hardware BIOS Virus protection
- SMBIOS 3.0
- UEFI 2.3.1
- RTC (Real Time Clock) Wakeup

## Management

Software

- AMT, SuperDoctor® 5, vPro, Watchdog
- ACPI Power Management

Power Configurations

- Keyboard Wakeup from Soft-Off
- CPU Fan auto-off in sleep mode
- Power-on mode for AC power recovery

## PC Health Monitoring

Voltage

- +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, VBAT

FAN

- Total of 5 fan headers supporting up to 5 fans
- Fan speed control
- Overheat LED indication

Temperature

- CPU thermal trip support
- I2C temperature sensing logic
- PECI
- Thermal Monitor 2 (TM2) support

LED

- CPU / System Overheat LED
- Suspend static indicator LED
- UID/Remote UID

Other Features

- 8-pin 12v DC power connector, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel Smart Response Technology, WOL

Visit us for more info:

<https://www.superstorage.pl/supermicro-mbd-x11sae-single-skt-intel-c236-chipset-sata-2xgbem2-bulk-p-2799.html>