

# Supermicro MBD-X11SSM, Single SKT, Intel C236 Chipset, SATA, 2xGbE

Kod producenta: MBD-X11SSM-O



Category	Server
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
Chipset	Intel C236 Skylake
Memory Type	DDR4 ECC UDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	64 GB
Integrated GPU	Aspeed AST1400
# of PCIe x4 3.0	2
# of PCIe x8 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 4 x USB 2.0 (header)
# of SATA Ports	8
# of SATA DOM power	2
Storage Controllers	8 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210 Dual Port Gigabit Ethernet
BMC chip	Aspeed AST1400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x8 (in x16) slot 2x PCI-E 3.0 x4 (in x8) slot

## Product SKUs

MBD-X11SSM • X11SSM (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® Celeron®
- Intel® Pentium®
- Intel® Xeon® processor E3-1200 v5 series
- Socket H4 (LGA 1151) supported; CPU TDP support 80W

## System Memory

- Memory Capacity • 64GB Unbuffered ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots
- Memory Type • 2133/1866/1600MHz ECC DDR4 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
- SATA • Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
- Network Controllers • Dual LAN with Intel® Ethernet Controller I210-AT
- Graphics • Aspeed AST1400

## Input / Output

- USB • 6 USB 2.0 ports (2 rear, 4 via header)  
• 5 USB 3.0 ports (2 rear, 2 via header, 1 Type A)
- Video Output • 1 VGA
- Serial Port / Header • 2 COM Ports (1 rear, 1 header)
- TPM • Header

## Expansion Slots

- PCI-E • 1 PCI-E 3.0 x8 (in x16 slot)  
• 1 PCI-E 3.0 x8  
• 2 PCI-E 3.0 x4 (in x8 slot)

## System BIOS

- BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS
- BIOS Features • ACPI 1.0 / 2.0 / 3.0 / 4.0  
• APM 1.2  
• DMI 2.3  
• Hardware BIOS Virus protection  
• PCI 2.3  
• Plug and Play (PnP)  
• RTC (Real Time Clock) Wakeup  
• SMBIOS 2.7.1  
• UEFI 2.3.1  
• USB Keyboard support

## Management

- Software • NMI, SSM, SuperDoctor® 5, Watchdog
- Power Configurations • ACPI Power Management  
• Power-on mode for AC power recovery

## PC Health Monitoring

- Voltage • +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
- FAN • 5x 4-pin fan headers (up to 5 fans), Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors
- Temperature • Monitoring for CPU and chassis environment  
• CPU thermal trip support  
• Thermal Monitor 2 (TM2) support  
• PECI
- LED • UID/Remote UID  
• CPU / System Overheat LED
- Other Features • Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, WOL

## Operating Environment

- Operating Temperature Range • 0°C ~ 50°C (32°F ~ 122°F)
- Non-Operating Temperature Range • -40°C - 70°C (-40°F - 158°F)
- Operating Relative Humidity Range • 8% - 90% (non-condensing)
- Non-Operating Relative Humidity

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11ssm-single-skt-intel-c236-chipset-sata-2xgbe-p-1689.html>