

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

Part number: MBD-X11SSM-F-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 AST2400
# 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
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

Product SKUs

MBD-X11SSM-F • X11SSM-F (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 AST2400 BMC

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
• 1 Aspeed AST2400 BMC
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
- Plug and Play (PnP)
- APM 1.2
- DMI 2.3
- PCI 2.3

BIOS Features

- ACPI 1.0 / 2.0 / 3.0 / 4.0
- USB Keyboard support
- Hardware BIOS Virus protection
- SMBIOS 2.7.1
- UEFI 2.3.1
- RTC (Real Time Clock) Wakeup

Management

Software

- Intel® Node Manager, IPMI2.0, NMI, SPM, SSM, SUM, 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
- Monitoring for CPU and chassis environment

Temperature

- CPU thermal trip support
- Thermal Monitor 2 (TM2) support
- PECI

LED

- CPU / System Overheat LED
- UID/Remote UID

Other Features

- Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, 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 Range

Visit us for more info:

<https://www.superstorage.pl/supermicro-mbd-x11ssm-single-skt-intel-c236-chipset-sata-2xgbe-ipmi-p-1695.html>