

Supermicro MBD-X11SCM-F, Single SKT, Intel C246 Chipset, SATA, 2xGbE, IPMI, M.2

Kod producenta: MBD-X11SCM-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 E-2100 Intel Xeon E-2200
Chipset	C246
Memory Type	DDR4 ECC UDIMM
Memory Speed	2666 MHz
# of DIMM's	4
Max Memory Size	128 GB
Integrated GPU	Aspeed AST2500
# of PCIe x16 3.0	1
# of USB Ports	4 x USB 2.0 ports (2 rear + 2 headers) 5 x USB 3.1 G1 ports (2 rears, 2 headers, 1 Type A)
# of SATA Ports	6
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210AT Dual Port Gigabit Ethernet
Integrated BMC	IPMI Shared RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 2.0 20-pin Header

Product SKUs

MBD-X11SCM-F • X11SCM-F

Physical Stats

Form Factor • microATX

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

Processor/Cache

CPU • 8th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® Processor E-2100 series.
• Socket LGA 1151 supported, CPU TDP support Up to 95W TDP

Cores / Cache • 6 cores, 12 threads

System Memory

Memory Capacity • Up to 128GB Unbuffered ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots

Memory Type • 2666/2400/2133MHz ECC DDR4 SDRAM 72-bit

DIMM Sizes • 4GB, 8GB, 16GB, 32GB

Memory Voltage • 1.2V

Error Detection • Corrects single-bit errors

***Future support for 128GB via a BIOS update expected in early 2019**

On-Board Devices

Chipset • Intel® C246

SATA • Intel® C246 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI • ASPEED AST2500

Network Controllers • Dual LAN with Intel® Ethernet Controller I210-AT

Graphics • Aspeed AST2500 BMC

Input / Output

SATA • 6 SATA3 (6Gbps) port

LAN • 2 RJ45 Gigabit Ethernet LAN ports

USB • 4 USB 2.0 ports (2 rear + 2 headers)
• 5 USB 3.1 Gen1 ports (2 rears, 2 headers, 1 Type A)

Video Output • 1 VGA port

Serial Port / Header • 1 COM Port (1 header)

TPM • 1 TPM Header

Expansion Slots

PCI-E • 1 PCI-E 3.0 x16
• M.2 Interface: 1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4

M.2 • Form Factor: 2280/22110
• Key: M-Key
• Double Height Connector

System BIOS

BIOS Type • UEFI 256Mb

BIOS Features • ACPI 6.0
• SMBIOS 2.7
• Plug and Play (PnP)
• RTC (Real Time Clock) Wakeup
• UEFI 2.7
• USB Keyboard support
• PCI 3.0

Management

Software • Intel® Node Manager, IPMI2.0, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog

System Management Software • IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support

Power Configurations • ACPI Power Management

PC Health Monitoring

Voltage • +12V, +3.3V, +5V, +5V standby, 6-fan status, Chassis intrusion header, Chipset Voltage, Memory Voltages, Monitors CPU voltages, Supports system management utility, System level control, VBAT

FAN • 6x 4-pin fan headers (up to 6 fans), 6 fans with tachometer status monitoring, 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 • ACPI power management, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Dual Cooling Zones, M.2 NGFF connector, Node Manager Support, UID, 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 • 5% - 95% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11scm-single-skt-intel-c246-chipset-sata-2xgbe-ipmi-m2-p-3994.html>