Supermicro MBD-X11SCA-F, Single SKT, Intel C246 Chipset, SATA, 2xGbE, IPMI, M.2

Kod producenta: MBD-X11SCA-F-O



Category	Workstation
Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Xeon E-2100 Intel Xeon E-2200 Intel Core 8th Gen Intel Core 9th Gen Intel Pentium 8th Gen Intel Pentium 9th Gen Intel Celeron 8th Gen Intel Celeron 9th Gen
Chipset	C246
Memory Type	DDR4 ECC UDIMM
Memory Speed	2666 MHz
# of DIMM's	4
Max Memory Size	64 GB
Integrated GPU	Intel UHD P630
# of PCIe x16 3.0	1
# of PCIe x8 3.0	2
# of USB Ports	2 x USB 2.0 ports (2 headers, Type A) 4 x USB 3.1 G1 ports (2 Rears Type A, 2 headers) 4 x USB 3.1 G2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
# of SATA Ports	8
Storage Controllers	8 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
Uwagi	2x PCI-Ex16 slots are running at NA/16, or 8/8

Product SKUs

MBD-X11SCA-F • X11SCA-F

Physical Stats

Form Factor	• ATX
Dimensions	• 12" x 9.6" (30.48cm x 24.38cm)

Processor/Cache

CPU	• Intel® 8th/9th Generation Core™ i9/Core™ i7/Core™i5/Core™i3/Pentium®/Celeron® series Processor, Intel® Xeon® E processor (Coffee Lake-S) Server, Intel® Xeon® E processor (Coffee Lake-S) Workstation. • Single Socket H4 (LGA 1151) supported, CPU TDP support Up to 95W TDP

System Memory

Memory Capacity	• Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots
Memory Type	• 2666/2400/2133/1866/1600MHz ECC/Non-ECC DDR4 SDRAM 72-bit 288-pin UDIMM
DIMM Sizes	• 1GB, 2GB, 4GB, 8GB, 16GB
Memory Voltage	• 1.2V

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

On-Board Devices

Chipset	• Intel® C246
SATA	• Intel® C246 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	• ASPEED AST2500
Network Controllers	• Single LAN with Intel® Ethernet Controller I210-AT Shared with IPMI Single LAN with Intel® PHY I219LM LAN controller
Audio	• ALC 888S HD Audio
Graphics	• Aspeed AST2500 BMC • Intel UHD P630 graphic(For CPU Xeon E-21XXG series only)

Input / Output

LAN	• 2 1GbE LAN ports
USB	• 2 USB 2.0 ports (2 headers, Type A)) • 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) • 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Video Output	• 1 HDMI port, 1 DVI - D port, 1 DP (DisplayPort) port, 1 VGA port, • Intel UHD P630 graphic(For CPU Xeon E-21XXG series only)
Serial Port / Header	• 1 COM Port (1 header)
TPM	• 1 TPM Header

Expansion Slots

PCI-E	• 1 PCI-E 3.0 x4, • 1 PCI-E 3.0 x1, • 2 PCI-Ex16 slots are running at NA/16, or 8/8 • 1 - 5V PCI 32bit
M.2	• M.2 Interface: 2 PCI-E 3.0 x4 • Form Factor: 2242/2260/2280/22110 • Key: M-Key • M.2#1~2 are shared with PCI-Ex4 slot, M.2#2 is shared with U.2

System BIOS

BIOS Type	• UEFI 128Mb

Management

Software	• IPMI2.0, SSM, SUM, SuperDoctor® 5, Watchdog
System Mangement Software	• IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support • *** OOB Bios refresh is not supported on X11SCA-F • SuperDoctor 5
Power Configurations	• ACPI Power Management • ATX Power connector • Power-on mode for AC power recovery • Keyboard Wakeup from Soft-Off

PC Health Monitoring

Voltage	• +1.8V, +12V, +3.3V, +5V, +5V standby, 5 -fan status, Chassis intrusion header, Chipset Voltage, Memory Voltages, Monitors CPU voltages, VBAT
FAN	• 5 fans with tachometer status monitoring, Fan speed control, Low noise fan speed control, PWM fan speed control
Temperature	• N/A
LED	• Standby alert LED
Other Features	• 8-pin 12v DC power connector, ACPI power management, ATX Power connector, 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, RoHS, WOL

Operating Environment

Operating Temperature Range	• 0°C ~ 50°C (32°F ~ 122°F)

Strona firmowa produktu:
https://www.superstorage.pl/supermicro-mbd-x11sca-single-skt-intel-c246-chipset-sata-2xgbe-ipmi-m2-p-4051.html