

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

Kod producenta: MBD-X11SCA-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<br>Intel Xeon E-2200<br>Intel Core 8th Gen<br>Intel Core 9th Gen<br>Intel Pentium 8th Gen<br>Intel Pentium 9th Gen<br>Intel Celeron 8th Gen<br>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)<br>4 x USB 3.1 G1 ports (2 Rears Type A, 2 headers)<br>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                                                                                                                                                |
| TPM                 | 1 x TPM 2.0 20-pin Header                                                                                                                                                              |
| Uwagi               | 2x PCI-Ex16 slots are running at NA/16, or 8/8                                                                                                                                         |

| Product SKUs                                                       |                                                                                                                                                                                                                                                                                                                                           | Expansion Slots                                                                                                                                                                                                                                                                                                                                                                               |  |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| MBD-X11SCA • X11SCA                                                |                                                                                                                                                                                                                                                                                                                                           | <div>PCI-E</div> <ul style="list-style-type: none"><li>• 1 PCI-E 3.0 x4,</li><li>• 1 PCI-E 3.0 x1,</li><li>• 2 PCI-Ex16 slots are running at NA/16, or 8/8</li><li>• 1 - 5V PCI 32bit</li><li>• M.2 Interface: 2 PCI-E 3.0 x4</li><li>• Form Factor: 2242/2260/2280/22110</li><li>• Key: M-Key</li><li>• M.2#1 are shared with PCI-Ex4 slot, M.2#2 is shared with U.2</li></ul>               |  |
| Physical Stats                                                     |                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Form Factor • ATX                                                  |                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Dimensions • 12" x 9.6" (30.48cm x 24.38cm)                        |                                                                                                                                                                                                                                                                                                                                           | <div>M.2</div> <div>System BIOS</div> <div>BIOS Type • UEFI 128Mb</div> <div>Management</div> <div>Software • AMT, SuperDoctor® 5, vPro, Watchdog</div> <div>System Mangement Software • SuperDoctor 5 version. 5</div> <div>Power Configurations • ACPI Power Management • ATX Power connector • Power-on mode for AC power recovery • Keyboard Wakeup from Soft-Off</div>                   |  |
| Processor/Cache                                                    |                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| CPU                                                                | <ul style="list-style-type: none"><li>• 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.</li><li>• Single Socket H4 (LGA 1151) supported, CPU TDP support Up to 95W TDP</li></ul> |                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                    | System Memory                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                    | Memory Capacity                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"><li>• Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots</li><li>• 2666/2400/2133/1866/1600MHz</li></ul>                                                                                                                                                                                                                                |  |
| Memory Type                                                        | ECC/Non-ECC DDR4 SDRAM 72-bit 288-pin UDIMM                                                                                                                                                                                                                                                                                               | <div>Power Configurations</div> <ul style="list-style-type: none"><li>• ACPI Power Management</li><li>• ATX Power connector</li><li>• Power-on mode for AC power recovery</li><li>• Keyboard Wakeup from Soft-Off</li></ul>                                                                                                                                                                   |  |
| DIMM Sizes                                                         | • 1GB, 2GB, 4GB, 8GB, 16GB                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Memory Voltage                                                     | • 1.2V                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| *Future support for 128GB via a BIOS update expected in early 2019 |                                                                                                                                                                                                                                                                                                                                           | <div>PC Health Monitoring</div> <div>Voltage</div> <ul style="list-style-type: none"><li>• +1.8V, +12V, +3.3V, +5V, +5V standby, 5 -fan status, Chassis intrusion header, Chipset Voltage, Memory Voltages, VBAT</li></ul>                                                                                                                                                                    |  |
| On-Board Devices                                                   |                                                                                                                                                                                                                                                                                                                                           | <div>FAN</div> <ul style="list-style-type: none"><li>• 5 fans with tachometer status monitoring</li></ul>                                                                                                                                                                                                                                                                                     |  |
| Chipset                                                            | <ul style="list-style-type: none"><li>• Intel® C246</li></ul>                                                                                                                                                                                                                                                                             | <div>Temperature LED</div> <ul style="list-style-type: none"><li>• N/A</li><li>• Standby alert LED</li><li>• 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</li></ul> |  |
| SATA                                                               | <ul style="list-style-type: none"><li>• Intel® C246 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10</li><li>• Single LAN with Intel® Ethernet Controller I210-AT</li></ul>                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Network Controllers                                                | Single LAN with Intel® PHY I219LM LAN controller Support vPro                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Audio                                                              | <ul style="list-style-type: none"><li>• ALC 888S HD Audio</li></ul>                                                                                                                                                                                                                                                                       | <div>Other Features</div>                                                                                                                                                                                                                                                                                                                                                                     |  |
| Graphics                                                           | <ul style="list-style-type: none"><li>• Intel UHD P630 graphic(For CPU Xeon E-21XXG series only)</li></ul>                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                    |                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Input / Output                                                     |                                                                                                                                                                                                                                                                                                                                           | Operating Environment                                                                                                                                                                                                                                                                                                                                                                         |  |
| LAN                                                                | <ul style="list-style-type: none"><li>• 2 1GbE LAN ports</li><li>• 2 USB 2.0 ports (2 headers, Type A))</li><li>• 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers)</li></ul>                                                                                                                                                              | <div>Operating Temperature Range</div> <ul style="list-style-type: none"><li>• 0°C ~ 50°C (32°F ~ 122°F)</li></ul>                                                                                                                                                                                                                                                                            |  |
| USB                                                                | <ul style="list-style-type: none"><li>• 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)</li><li>• 1 HDMI port, 1 DVI - D port, 1 DP (DisplayPort) port,</li></ul>                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Video Output                                                       | <ul style="list-style-type: none"><li>• Intel UHD P630 graphic(For CPU Xeon E-21XXG series only)</li></ul>                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Serial Port / Header                                               | <ul style="list-style-type: none"><li>• 1 COM Port (1 header)</li></ul>                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                               |  |
| TPM                                                                | <ul style="list-style-type: none"><li>• 1 TPM Header</li></ul>                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                               |  |

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11sca-single-skt-intel-c246-chipset-sata-2xgbe-m2-p-4048.html>

