

# Supermicro MBD-X11SSQ, Single SKT, Intel Q170 Chipset, SATA, 2xGbE, M.2 Bulk

Kod producenta: MBD-X11SSQ-B



Category	Embedded
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Core 7th Gen. Intel Core 6th Gen.
Chipset	Intel Q170 Express
Memory Type	DDR4 non-ECC UDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz
# of DIMM's	4
Max Memory Size	64 GB
Integrated GPU	Intel HD Graphics
# of PCIe x16 3.0	1
# of PCIe x4 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 4 x USB 2.0 (rear) 4 x USB 2.0 (header)
# of SATA Ports	6
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	4 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i219LM Port Gigabit Ethernet Intel i210AT Port Gigabit Ethernet
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x16 slot 2x PCI-E 3.0 x4 slots 1x PCI-E 3.0 x1 slot M.2 PCI-E x2 M Key 2242/2260/2280, PCI-E 3.0 x4 with open slots

<b>Product SKUs</b>		<b>Expansion Slots</b>	
MBD-X11SSQ • X11SSQ (Bulk Pack)		<ul style="list-style-type: none"> <li>• 1 PCI-E 3.0 x16</li> <li>• 2 PCI-E 3.0 x4</li> </ul>	
<b>Physical Stats</b>		<b>PCI-E</b>	
Form Factor • Micro-ATX		<ul style="list-style-type: none"> <li>• 1 PCI-E 3.0 x1</li> <li>• M.2 PCI-E x2 M Key</li> </ul>	
Dimensions • 9.6" x 9.6" (24.38cm x 24.38cm)		2242/2260/2280, PCI-E 3.0 x4 with open slots	
<b>Processor/Cache</b>		<b>M.2</b>	
<ul style="list-style-type: none"> <li>• Intel® 6th Generation Core™ i3 series</li> <li>• Intel® 6th Generation Core™ i5 series</li> <li>• Intel® 6th Generation Core™ i7 series</li> <li>• Intel® 7th Generation Core™ i3 series</li> <li>• Intel® 7th Generation Core™ i5 series</li> <li>• Intel® 7th Generation Core™ i7 series</li> <li>• Intel® Celeron®</li> <li>• Intel® Pentium®</li> <li>• Single Socket H4 (LGA 1151) supported; CPU TDP support Up to 91W</li> </ul>		<ul style="list-style-type: none"> <li>• Form Factor: 2242, 2260, 2280</li> </ul>	
<b>CPU</b>		<b>System BIOS</b>	
<ul style="list-style-type: none"> <li>• BIOS version 2.0 or above is required to support 7th Generation Intel® Core™ Processors</li> </ul>		<ul style="list-style-type: none"> <li>• AMI UEFI</li> <li>• Plug and Play (PnP)</li> <li>• DMI 2.3</li> <li>• USB Keyboard support</li> </ul>	
<b>Note</b>		<b>BIOS Type</b>	
		<ul style="list-style-type: none"> <li>• UEFI 2.3.1</li> <li>• ACPI 5.0</li> <li>• SMBIOS 3.0</li> <li>• PCI 3.0</li> </ul>	
<b>System Memory</b>		<b>Features</b>	
<ul style="list-style-type: none"> <li>• Up to 64GB Unbuffered non-ECC UDIMM, DDR4-2400MHz, in 4 DIMM slots</li> <li>• 2400/2133/1866MHz Non-ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs</li> <li>• 4GB, 8GB, 16GB</li> <li>• 1.2V</li> <li>• N/A</li> </ul>		<ul style="list-style-type: none"> <li>• AMT</li> <li>• NMI</li> <li>• SuperDoctor® 5</li> <li>• vPro</li> <li>• Watchdog</li> <li>• ACPI Power Management</li> <li>• Keyboard Wakeup from Soft-Off</li> <li>• Power-on mode for AC power recovery</li> <li>• Force Power On by Jumper</li> </ul>	
<b>Memory Capacity</b>		<b>Management</b>	
<b>Memory Type</b>		<b>Software</b>	
<b>DIMM Sizes</b>		<ul style="list-style-type: none"> <li>• Watchdog</li> <li>• ACPI Power Management</li> <li>• Keyboard Wakeup from Soft-Off</li> <li>• Power-on mode for AC power recovery</li> <li>• Force Power On by Jumper</li> </ul>	
<b>Memory Voltage</b>		<b>Power Configurations</b>	
<b>Error Detection</b>		<ul style="list-style-type: none"> <li>• AMT</li> <li>• NMI</li> <li>• SuperDoctor® 5</li> <li>• vPro</li> <li>• Watchdog</li> <li>• ACPI Power Management</li> <li>• Keyboard Wakeup from Soft-Off</li> <li>• Power-on mode for AC power recovery</li> <li>• Force Power On by Jumper</li> </ul>	
<b>On-Board Devices</b>		<b>PC Health Monitoring</b>	
<b>Chipset</b>		<ul style="list-style-type: none"> <li>• +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 1.2V (VDIMM), 4 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT</li> <li>• 4x 4-pin fan headers (up to 4 fans)</li> <li>• Overheat LED indication</li> <li>• Pulse Width Modulated (PWM) fan connectors</li> <li>• PWM fan speed control</li> <li>• System level control</li> <li>• Thermal control tachometer fan connectors</li> <li>• Monitoring for CPU and chassis environment</li> <li>• CPU thermal trip support</li> <li>• I2C temperature sensing logic</li> <li>• Thermal Monitor 2 (TM2) support</li> <li>• PECL</li> <li>• CPU / System Overheat LED</li> <li>• Standby alert LED</li> <li>• ACPI power management</li> <li>• ATX Power connector</li> <li>• Chassis intrusion header</li> <li>• Control of power-on for recovery from AC power loss</li> <li>• CPU thermal trip support for processor protection</li> <li>• Intel Smart Response Technology</li> <li>• M.2 NGFF connector</li> <li>• RoHS</li> <li>• System level control</li> <li>• WOL</li> </ul>	
<b>SATA</b>		<b>Voltage</b>	
<ul style="list-style-type: none"> <li>• Intel® Q170 Express</li> <li>• Intel® Q170 Express controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10</li> <li>• Intel RST</li> <li>• Single Intel® PHY I219LM LAN controller</li> <li>• Single Intel® Ethernet Controller I210-AT</li> </ul>		<ul style="list-style-type: none"> <li>• CPU / System Overheat LED</li> <li>• Standby alert LED</li> <li>• ACPI power management</li> <li>• ATX Power connector</li> <li>• Chassis intrusion header</li> <li>• Control of power-on for recovery from AC power loss</li> <li>• CPU thermal trip support for processor protection</li> <li>• Intel Smart Response Technology</li> <li>• M.2 NGFF connector</li> <li>• RoHS</li> <li>• System level control</li> <li>• WOL</li> </ul>	
<b>Network Controllers</b>		<b>FAN</b>	
<ul style="list-style-type: none"> <li>• ALC 888S HD Audio</li> <li>• Intel® HD Graphics</li> </ul>		<ul style="list-style-type: none"> <li>• CPU thermal trip support</li> <li>• I2C temperature sensing logic</li> <li>• Thermal Monitor 2 (TM2) support</li> <li>• PECL</li> <li>• CPU / System Overheat LED</li> <li>• Standby alert LED</li> <li>• ACPI power management</li> <li>• ATX Power connector</li> <li>• Chassis intrusion header</li> <li>• Control of power-on for recovery from AC power loss</li> <li>• CPU thermal trip support for processor protection</li> <li>• Intel Smart Response Technology</li> <li>• M.2 NGFF connector</li> <li>• RoHS</li> <li>• System level control</li> <li>• WOL</li> </ul>	
<b>Audio</b>		<b>Temperature</b>	
<b>Graphics</b>		<ul style="list-style-type: none"> <li>• CPU / System Overheat LED</li> <li>• Standby alert LED</li> <li>• ACPI power management</li> <li>• ATX Power connector</li> <li>• Chassis intrusion header</li> <li>• Control of power-on for recovery from AC power loss</li> <li>• CPU thermal trip support for processor protection</li> <li>• Intel Smart Response Technology</li> <li>• M.2 NGFF connector</li> <li>• RoHS</li> <li>• System level control</li> <li>• WOL</li> </ul>	
<b>Input / Output</b>		<b>LED</b>	
<b>USB</b>		<ul style="list-style-type: none"> <li>• CPU / System Overheat LED</li> <li>• Standby alert LED</li> <li>• ACPI power management</li> <li>• ATX Power connector</li> <li>• Chassis intrusion header</li> <li>• Control of power-on for recovery from AC power loss</li> <li>• CPU thermal trip support for processor protection</li> <li>• Intel Smart Response Technology</li> <li>• M.2 NGFF connector</li> <li>• RoHS</li> <li>• System level control</li> <li>• WOL</li> </ul>	
<b>Video Output</b>		<b>Other Features</b>	
<ul style="list-style-type: none"> <li>• 8 USB 2.0 ports (4 rear, 4 via header(s))</li> <li>• 4 USB 3.0 ports (2 rear, 2 via header(s))</li> <li>• 1 HDMI port(s), 1 DP (DisplayPort) port(s), 1 DVI - D port(s), 1 eDP (Embedded DisplayPort) port(s)</li> <li>• 4 COM Ports (4 header(s))</li> <li>• TPM Header</li> <li>• 8 bit GPIO, Force On mode by jumper and AC recovery</li> </ul>		<ul style="list-style-type: none"> <li>• CPU / System Overheat LED</li> <li>• Standby alert LED</li> <li>• ACPI power management</li> <li>• ATX Power connector</li> <li>• Chassis intrusion header</li> <li>• Control of power-on for recovery from AC power loss</li> <li>• CPU thermal trip support for processor protection</li> <li>• Intel Smart Response Technology</li> <li>• M.2 NGFF connector</li> <li>• RoHS</li> <li>• System level control</li> <li>• WOL</li> </ul>	
<b>Serial Port / Header</b>		<b>Operating Environment</b>	
<b>TPM</b>		<ul style="list-style-type: none"> <li>• Operating Temperature Range • 0°C ~ 60°C (32°F ~ 140°F)</li> <li>• Non-Operating Temperature Range • -20°C ~ 60°C (-4°F ~ 140°F)</li> <li>• Operating Relative Humidity Range • 10% ~ 85% (non-condensing)</li> <li>• Non-Operating Relative Humidity Range</li> </ul>	
<b>Others</b>			

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11ssq-single-skt-intel-q170-chipset-sata-2xgbe-m2-bulk-p-3068.html>