

# Supermicro MBD-X10SRM-F, Single SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI, M.2 Bulk

Part number: MBD-X10SRM-F-B



Form Factor	uATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	1
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3 Intel Xeon E5-1600v4 Intel Xeon E5-1600v3
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	512 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	1
# 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	10
# of SATA DOM power	2
Storage Controllers	10 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i350 Dual Port Gigabit Ethernet
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:



Product SKUs			
<input type="checkbox"/>	MBD-X10SRM-F • X10SRM-F (Bulk Pack)	<input type="checkbox"/>	Chassis (Optimized for X10SRM-F)
Physical Stats		<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- <a href="#">SC514-R400C</a></li> <li>- <a href="#">SC514-505</a></li> <li>- <a href="#">SC515-R407</a></li> <li>- SC515-505</li> <li>- <a href="#">SC515-350</a></li> <li>- <a href="#">SC113MFAC2-605CB</a></li> <li>- <a href="#">SC113MFAC2-R606CB</a></li> <li>- <a href="#">SC813MFTQC-R407CB</a></li> <li>- SC813MFTQC-350CB</li> <li>- SC213LT-600LPB</li> <li>- SC825MTQ-R700LPB</li> <li>- SC823TQ-653LPB</li> <li>- SC825TQC-R740LPB</li> <li>- SC833T-653B</li> </ul>
Form Factor	• Micro ATX	1U Chassis:	
Dimensions	• 9.6" x 9.6", (24.4cm x 24.4cm)	2U Chassis:	
Processor		3U Chassis:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- Intel® Xeon® processor E5-2600 v4/ v3, E5-1600 v3 family (up to 145W TDP **)</li> <li>- Single Socket R3 (LGA 2011)</li> <li>- Up to <b>22 Cores</b><sup>†</sup> / Up to <b>55MB</b><sup>†</sup> Cache</li> <li><sup>†</sup> BIOS version 2.0 or above is required</li> <li>** Motherboard supports this maximum TDP. Please verify your system can thermally support</li> </ul>	Mid/Mini Tower Chassis:	<ul style="list-style-type: none"> <li>- SC731I-300B</li> </ul>
CPU		Important Chassis Notes	<ul style="list-style-type: none"> <li>- To support the new generation Intel® Xeon® processor-based motherboards, <b>Revision M</b> chassis is recommended. Please talk to your sales representative for details.</li> </ul>
Core / Cache			
Note			
Note			
System Memory			
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- 4x 288-pin DDR4 DIMM slots</li> <li>- Up to 512GB ECC 3DS LRDIMM Capacity</li> <li>- Up to 256GB ECC LRDIMM</li> <li>- Up to 128GB ECC RDIMM</li> <li>- <b>2400</b> / 2133/1866/1600MHz ECC</li> </ul>	Expansion Slots	
Memory Capacity		<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- 1x PCI-E 3.0 x16 slot</li> <li>- 2x PCI-E 3.0 x8 slots</li> </ul>
Memory Type	DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs	PCI-Express	
DIMM Sizes	<ul style="list-style-type: none"> <li>- 3DS LRDIMM: 128GB</li> <li>- LRDIMM: 64GB, 32GB</li> <li>- RDIMM: 32GB, 16GB, 8GB, 4GB</li> </ul>	System BIOS	
Memory Voltage	- 1.2 V	<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- 128Mb SPI Flash EEPROM with AMI BIOS</li> <li>- Plug and Play (PnP)</li> <li>- APM 1.2</li> <li>- DMI 2.3</li> <li>- PCI 2.3</li> <li>- ACPI 1.0 / 2.0 / 3.0 / 4.0</li> <li>- USB Keyboard support</li> <li>- Hardware BIOS Virus protection</li> <li>- SMBIOS 2.7.1</li> <li>- UEFI 2.3.1</li> <li>- RTC (Real Time Clock) Wakeup</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>- Corrects single-bit errors</li> <li>- Detects double-bit errors (using ECC memory)</li> </ul>	BIOS Features	
On-Board Devices		Management	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- Intel C612 chipset</li> <li>- SATA3 (6Gbps) via C612 controller</li> <li>- RAID 0, 1, 10 support</li> <li>- Support for Intelligent Platform Management Interface v.2.0</li> </ul>	<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- Intel® Node Manager</li> <li>- IPMI 2.0 with KVM support</li> <li>- <a href="#">SuperDoctor® 5</a></li> <li>- Watch Dog</li> <li>- NMI</li> <li>- <a href="#">SPM</a></li> <li>- <a href="#">SUM</a></li> <li>- ACPI Power Management</li> <li>- Keyboard Wakeup from Soft-Off</li> <li>- CPU Fan auto-off in sleep mode</li> <li>- Power-on mode for AC power recovery</li> </ul>
Chipset		Software	
SATA			
IPMI		Power Configurations	
Network Controllers	<ul style="list-style-type: none"> <li>- Dual LAN with Intel® 1350 Gigabit Ethernet Controller</li> <li>- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>		
Graphics	- ASPEED AST2400 BMC	PC Health Monitoring	
Input / Output		<input type="checkbox"/>	<ul style="list-style-type: none"> <li>- Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.</li> <li>- Total of 6 fan headers supporting up to 6 fans</li> <li>- 6 fans with tachometer status monitoring</li> <li>- Status monitor for speed control</li> <li>- Status monitor for on/off control</li> <li>- Low noise fan speed control</li> <li>- Pulse Width Modulated (PWM) fan connectors</li> <li>- Monitoring for CPU and chassis environment</li> <li>- CPU thermal trip support</li> <li>- I<sup>2</sup>C temperature sensing logic</li> <li>- Thermal Monitor 2 (TM2) support</li> <li>- PECI</li> <li>- CPU / System Overheat LED</li> <li>- Suspend static indicator LED</li> <li>- UID/Remote UID</li> <li>- Chassis intrusion detection</li> <li>- Chassis intrusion header</li> <li>- Chipkill support</li> <li>- RoHS, Halogen Free</li> </ul>
SATA	<ul style="list-style-type: none"> <li>- 10x SATA3 (6Gbps) ports</li> <li>- 2x RJ45 Gigabit Ethernet LAN ports</li> </ul>	Voltage	
LAN		FAN	
USB	<ul style="list-style-type: none"> <li>- 1x RJ45 Dedicated IPMI LAN port</li> <li>- 5x USB 3.0 ports (2 rear + 2 via header + 1 Type A)</li> <li>- 6x USB 2.0 ports (2 rear + 4 via header)</li> </ul>		
Video	- 1x VGA port		
Serial Port / Header	- 2x COM ports (1 rear, 1 header)		
SuperDOM	- 2x <a href="#">SuperDOM</a> (Disk on Module) ports with built-in power		
TPM	- 1x TPM 2.0 Header		
OS Compatibility		Temperature	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>• Please reference the <a href="#">OS Compatibility Chart</a> for details</li> </ul>	LED	
		Other Features	

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