

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

Part number: MBD-X10SRM-F-O



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

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<https://www.superstorage.pl/supermicro-mbd-x10srm-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-m2-p-2000.html>