

Supermicro MBD-X10SRM-TF, Single SKT, Intel C612 Chipset, SATA, 2x10GbE, IPMI, M.2 Bulk

Part number: MBD-X10SRM-TF-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 x4 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
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 10GbE Ports	2 x Base-T
Network Controllers	Intel x550 Dual Port 10 Gigabit Base-T
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

Product SKUs	<input type="checkbox"/>	Chassis (Optimized for X10SRM-TF)
MBD-X10SRM-TF - X10SRM-TF (Bulk Pack) -B	<input type="checkbox"/>	-SC514-R400C -SC514-505 -SC515-R407 -SC515-505 -SC515-350 -SC113MFA02-605CB -SC113MFA02-8060CB -SC813MFT0C-R407CB -SC813MFT0C-350CB -SC825T0C-R7401PB -SC825M10C-R7001PB -SC731T-6901PB -SC821T0-6531PB -SC833T-653B
Physical Stats	<input type="checkbox"/>	
Form Factor	• Micro ATX	1U Chassis:
Dimensions	• 9.6" x 9.6", (24.4cm x 24.4cm)	
Processor	<input type="checkbox"/>	
CPU	- Intel® Xeon® processor E5-2600 v4 / v3, E5-1600 v4 / v3 family (up to 145W TDP **)	2U Chassis:
Core / Cache	- Single Socket R3 (LGA 2011)	3U Chassis:
Note	- Up to 22 Cores / Up to 55MB Cache	Mid/Mini Tower
Note	- BIOS version 2.0 or above is required	Chassis:
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support	Important Chassis Notes
System Memory	<input type="checkbox"/>	- To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.
Memory Capacity	- 4x 288-pin DDR4 DIMM slots - Up to 512GB ECC 3DS LRDIMM - Up to 256GB ECC LRDIMM - Up to 128GB ECC RDIMM	Expansion Slots
Memory Type	- 2400 / 2133 / 1866 / 1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs	PCI-Express
DIMM Sizes	- 3DS LRDIMM: 128GB - LRDIMM: 64GB, 32GB - RDIMM: 32GB, 16GB, 8GB, 4GB	System BIOS
Memory Voltage	- 1.2 V	BIOS Type
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)	AMI BIOS
On-Board Devices	<input type="checkbox"/>	BIOS Features
Chipset	- Intel C612 chipset	ACPI 1.0 / 2.0 / 3.0 / 4.0
SATA	- SATA3 (6Gbps) via C612 controller - RAID 0, 1, 10 support	- USB Keyboard support - Hardware BIOS Virus protection - SMBIOS 2.7.1 - UEFI 2.3.1 - RTC (Real Time Clock) Wakeup
IPMI	- Support for Intelligent Platform Management Interface v2.0 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support - ASPEED AST2400 BMC	Management
Network Controllers	- Dual LAN with Intel® X550 10GBase-T Ethernet Controller - Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output - ASPEED AST2400 BMC	Software
Graphics		- Intel® Node Manager - IPMI 2.0 with KVM support - SuperDoctor 5 - Watch Dog - NMI - SPM - SLM - ACPI Power Management - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode for AC power recovery
Input / Output	<input type="checkbox"/>	Power Configurations
SATA	- 10x SATA3 (6Gbps) ports	PC Health Monitoring
LAN	- 2x RJ45 10GBase-T Ethernet LAN ports - 1x RJ45 Dedicated IPMI LAN port	Voltage
USB	- 5x USB 3.0 ports (2 rear + 2 via header + 1 Type A) - 6x USB 2.0 ports (2 rear + 4 via header)	- 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
Video	- 1x VGA port	FAN
Serial Port / Header	- 2x COM ports (1 rear, 1 header)	- Status monitor for speed control - Status monitor for on/off control - Low noise fan speed control - Pulse Width Modulated (PWM) fan connectors
SuperDOM	- 2x SuperDOM (Disk on Module) ports with built-in power	- Monitoring for CPU and chassis environment
TPM	- 1 TPM Header	Temperature
OS Compatibility	<input type="checkbox"/>	- CPU thermal trip support - iC temperature sensing logic - Thermal Monitor 2 (TM2) support - PECI
		LED
		- CPU / System Overheat LED - Suspend static indicator LED - UID/Remote UID
		Other Features
		- Chassis intrusion detection - Chipkill support - RoHS, Halogen Free
		<input type="checkbox"/>
		Operating Environment
		<input type="checkbox"/>
		Operating Temperature Range
		- 0°C ~ 60°C (32°F ~ 140°F)
		Non-Operating Temperature Range
		-20°C ~ 60°C (-4°F ~ 140°F)
		Operating Relative Humidity Range
		- 10% ~ 85% (non-condensing)
		Non-Operating Relative Humidity Range

Visit us for more info:
<https://www.superstorage.pl/supermicro-mbd-x10srm-tf-single-skt-intel-c612-chipset-sata-2x10gbe-ipmi-m2-bulk-p-2578.html>