

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

Kod producenta: 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		Chassis (Optimized for X10SRM-TF )	
MBD-X10SRM-TF -B		• X10SRM-TF (Bulk Pack)	
Physical Stats		1U Chassis:	- <a href="#">SC514-R400C</a>
Form Factor • Micro ATX			- <a href="#">SC514-505</a>
Dimensions • 9.6" x 9.6", (24.4cm x 24.4cm)			- <a href="#">SC515-R407</a>
Processor		- <a href="#">SC515-505</a>	- <a href="#">SC515-350</a>
CPU	- Intel® Xeon® processor E5-2600 v4 <sup>†</sup> / v3, E5-1600 v4 <sup>†</sup> / v3 family (up to 145W TDP **)	2U Chassis:	- <a href="#">SC113MFAC2-605CB</a>
	- Single Socket R3 (LGA 2011)		- <a href="#">SC113MFAC2-R606CB</a>
Core / Cache	- Up to <b>22 Cores<sup>†</sup></b> / Up to <b>55MB<sup>†</sup></b> Cache	3U Chassis:	- <a href="#">SC813MFTQC-R407CB</a>
Note	<sup>†</sup> BIOS version 2.0 or above is required	Mid/Mini Tower Chassis:	- <a href="#">SC813MFTQC-350CB</a>
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support		- <a href="#">SC825TQC-R740LPB</a>
System Memory			- <a href="#">SC825MTO-R700LPB</a>
Memory Capacity	- 4x 288-pin DDR4 DIMM slots	Expansion Slots	- <a href="#">SC213LT-600LPB</a>
	- Up to 512GB ECC 3DS LRDIMM		- <a href="#">SC823TO-653LPB</a>
	- Up to 256GB ECC LRDIMM	PCI-Express	- <a href="#">SC833T-653B</a>
	- Up to 128GB ECC RDIMM		
Memory Type	- <b>2400<sup>†</sup></b> / 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs		
DIMM Sizes	- 3DS LRDIMM: 128GB	System BIOS	
	- LRDIMM: 64GB, 32GB	BIOS Type	- 128Mb SPI Flash EEPROM with AMI BIOS
	- RDIMM: 32GB, 16GB, 8GB, 4GB		
Memory Voltage	- 1.2 V	BIOS Features	- Plug and Play (PnP)
Error Detection	- Corrects single-bit errors		
	- Detects double-bit errors (using ECC memory)		- DMI 2.3
On-Board Devices			- PCI 2.3
Chipset	- Intel C612 chipset		- ACPI 1.0 / 2.0 / 3.0 / 4.0
SATA	- SATA3 (6Gbps) via C612 controller		- USB Keyboard support
	- RAID 0, 1, 10 support		- Hardware BIOS Virus protection
	- Support for Intelligent Platform Management Interface v.2.0		- SMBIOS 2.7.1
IPMI	- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	Management	- UEFI 2.3.1
	- ASPEED AST2400 BMC		- RTC (Real Time Clock) Wakeup
	- Dual LAN with Intel® X550		
Network Controllers	10GBase-T Ethernet Controller	Software	- Intel® Node Manager
	- Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output		- IPMI 2.0 with KVM support
Graphics	- ASPEED AST2400 BMC		- <a href="#">SuperDoctor® 5</a>
Input / Output			- Watch Dog
SATA	- 10x SATA3 (6Gbps) ports		- NMI
LAN	- 2x RJ45 10GBase-T Ethernet LAN ports		- <a href="#">SPM</a>
	- 1x RJ45 Dedicated IPMI LAN port		- <a href="#">SUM</a>
USB	- 5x USB 3.0 ports (2 rear + 2 via header + 1 Type A)		- ACPI Power Management
	- 6x USB 2.0 ports (2 rear + 4 via header)		- Keyboard Wakeup from Soft-Off
Video	- 1x VGA port	Power Configurations	- CPU Fan auto-off in sleep mode
Serial Port / Header	- 2x COM ports (1 rear, 1 header)		- Power-on mode for AC power recovery
SuperDOM	- 2x <a href="#">SuperDOM</a> (Disk on Module) ports with built-in power	PC Health Monitoring	
TPM	- 1 TPM Header	Voltage	- Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
OS Compatibility			- Total of 6 fan headers supporting up to 6 fans
• Please reference the <a href="#">OS Compatibility Chart</a> for details			- 6 fans with tachometer status monitoring
		FAN	- 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
		Temperature	- CPU thermal trip support
			- I°C 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
			- Chassis intrusion header
			- Chipkill support
			- RoHS, Halogen Free
Operating Environment			
		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	
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