

Supermicro MBD-X10SRA, Single SKT, Intel C612 Chipset, SATA, 2xGbE Bulk

Part number: MBD-X10SRA-B



Form Factor	ATX
Dimensions	12" 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 E5-1600v3
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	8
Max Memory Size	512 GB
# of PCIe x16 3.0	4
# of PCIe x4 2.0	2
# of USB Ports	6 x USB 3.0 (rear) 2 x USB 3.0 (header)
# of SATA Ports	10
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210-AT Dual Port Gigabit Ethernet
TPM	1 x TPM 1.2 20-pin Header

Product SKUs			
MBD-X10SRA-F -B	• X10SRA-F (Bulk Pack)		
Physical Stats			
Form Factor	• ATX		
Dimensions	• 12" x 9.6", (30.5cm x 24.4cm)		
Processor			
CPU	- Intel® Xeon® processor E5-2600 v4 ¹ / v3, E5-1600 v4 ¹ / v3 family or Intel® Core™ i7 series (up to 160W TDP **)		
Core / Cache	- Single Socket R3 (LGA 2011) - Up to 22 Cores ¹ / Up to 55MB ¹ Cache		
Note	¹ BIOS version 2.0 or above is required		
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support		
System Memory			
Memory Capacity	- 8x 288-pin DDR4 DIMM slots - Up to 1TB ECC 3DS LRDIMM - Up to 512GB ECC LRDIMM - Up to 256GB ECC RDIMM - Up to 128GB DDR4 ECC/non-ECC UDIMM (available with Core i7 only)		
Memory Type	- 2400 / 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs		
DIMM Sizes	- LRDIMM: 64GB, 32GB - RDIMM: 32GB, 16GB, 8GB, 4GB		
Memory Voltage	- 1.2 V		
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)		
On-Board Devices			
Chipset	- Intel C612 chipset		
SATA	- SATA3 (6Gbps) via C612 controller - RAID 0, 1, 5, 10 support - Intel® i210-AT Dual Port Gigabit Ethernet		
Network Controllers	- Share with IPMI - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output		
Audio	- RealTek ALC1150 High Definition Audio		
Input / Output			
SATA	- 10x SATA3 (6Gbps) ports		
LAN	- 2x RJ45 Gigabit Ethernet LAN ports - Shared with IPMI		
USB	- 8x USB 3.0 ports (6 rear + 2 via header) - 4 of 8 USB 3.0 ports upgradable to 4x USB 3.1 (10Gbps) (2 rear + 2 via header) (This upgrade is BOM option for OEM only)		
Audio	- 7.1 HD Jacks		
Keyboard/Mouse	- 1 PS/2 Keyboard/Mouse port		
Serial Port / Header	- 1x header		
TPM	- 1x TPM Header		
OS Compatibility			
	• Please reference the OS Compatibility Chart for details		
		Chassis (Optimized for X10SRA-F)	
		Mid/Mini Tower Chassis: - SC732D3-903B	
		4U / Tower Chassis: - SC743TQ-1200B-SQ - SC745BTQ-R1K28B-SQ	
		- To support the new generation Intel® Xeon® processor-based motherboards, Revision K chassis is recommended. Please talk to your sales representative for details.	
		Expansion Slots	
		- 4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8)	
		- 2x PCI-E 2.0 x1 (in x4) slots	
		PCI-Express	
		PCI-E slot #1 supports (x4) and slot #4 (x16) is disabled when Intel Core i7-5820K is installed	
		System BIOS	
		BIOS Type	
		AMI BIOS	
		- Plug and Play (PnP)	
		- APM 1.2	
		- DMI 2.3	
		- PCI 2.3	
		BIOS Features	
		- 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	
		Management	
		Software	
		- IPMI 2.0 with KVM support	
		- SuperDoctor® 5	
		- SuperDoctor® III	
		- Watch Dog	
		Power Configurations	
		- ACPI Power Management	
		- Keyboard Wakeup from Soft-Off	
		- CPU Fan auto-off in sleep mode	
		- Power-on mode for AC power recovery	
		PC Health Monitoring	
		Voltage	
		- +12V, +3.3V, +5V, 1.05 (PCH), 1.2V (VDIMM), 3.3V standby, Chassis intrusion header, Monitors CPU voltages, VBAT	
		FAN	
		- Total of 5 fan headers supporting up to 5 fans	
		- 5 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	
		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	
		Other Features	
		- Chassis intrusion detection	
		- Chassis intrusion header	
		- Chipkill support	
		- RoHS	

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<https://www.superstorage.pl/supermicro-mbd-x10sra-single-socket-intel-c612-chipset-sata-2xgbe-bulk-p-2569.html>