

# Supermicro MBD-X10SRW-F, Single SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI Bulk

Part number: MBD-X10SRW-F-B



Form Factor	Proprietary
Dimensions	8.15" x 13.05"
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	8
Max Memory Size	1024 GB
Integrated GPU	Aspeed AST2400
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear) 1 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 6 x USB 2.0 (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 (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

Product SKUs			
<input type="checkbox"/>	MBD-X10SRW-F • X10SRW-F (Bulk Pack)	<input type="checkbox"/>	Chassis (Optimized for X10SRW-F)
Physical Stats			
<input type="checkbox"/>	Form Factor • Proprietary		
Dimensions	• 8.15" x 13.05", (20.70cm x 33.15cm)	1U Chassis:	<a href="#">- SC815TO-600WB</a> <a href="#">- SC113TO-600WB</a> <a href="#">- SC113TO-R700WB</a> <a href="#">- SC116AC-R700WB</a> <a href="#">- SC815TO-R706WB</a> <a href="#">- SC514-R400W</a> <a href="#">- SC116TO-R700WB</a> <a href="#">- SC213A-R740WB</a>
Processor		2U Chassis:	<a href="#">- SC826BA-R920WB</a> <a href="#">- SC825TO-R740WB</a> <a href="#">- SC825TO-R500WB</a>
CPU	- Intel® Xeon® processor E5-2600 v4/ v3, E5-1600 v4/ v3 family (up to 145W TDP **)	Important Chassis Notes	- 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.
Core / Cache	- Single Socket R3 (LGA 2011) - Up to <b>22 Cores</b> / Up to <b>55MB</b> Cache		
Note	<sup>†</sup> BIOS version 2.0 or above is required <b>**</b> Motherboard supports this maximum TDP. Please verify your system can thermally support	SuperServer(s) with X10SRW-F	
Note	<b>**</b> E5-1600 series CPU does not support LRDIMM type memory	Model(s)	<a href="#">- SYS- 1018R-WR</a> <a href="#">- SYS-1018R-WC0R</a> <a href="#">- SYS-5028R-WR</a> <a href="#">- SYS-5018R-WR</a>
System Memory			
<input type="checkbox"/>			
Memory Capacity	- 8x 288-pin DDR4 DIMM slots - Up to 1TB ECC 3DS LRDIMM - Up to 512GB ECC LRDIMM - Up to 256GB ECC RDIMM	Expansion Slots	
Memory Type	DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs	PCI-Express	- 1x PCI-E 3.0 x8 (in x16) slots - 1x PCI-E 3.0 x32 Left Riser slot
DIMM Sizes	- 3DS LRDIMM: 128GB - LRDIMM: 64GB, 32GB - RDIMM: 32GB, 16GB, 8GB, 4GB	System BIOS	
Memory Voltage	- 1.2 V	BIOS Type	- 128Mb SPI Flash EEPROM with AMI BIOS
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)	BIOS Features	- 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
On-Board Devices			
<input type="checkbox"/>			
Chipset	- Intel C612 chipset	Management	
SATA	- SATA3 (6Gbps) via C612 controller - RAID 0, 1, 5, 10 support - Support for Intelligent Platform Management Interface v.2.0	Software	- IPMI 2.0 with KVM support - <a href="#">SuperDoctor® 5</a> - Watch Dog
IPMI	- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support - ASPEED AST2400 BMC	Power Configurations	- ACPI Power Management - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode for AC power recovery
Network Controllers	- Intel® i350-AM2 Dual Port Gigabit Ethernet - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output	PC Health Monitoring	
Graphics	- ASPEED AST2400 BMC	<input type="checkbox"/>	
Input / Output		Voltage	- Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
<input type="checkbox"/>			
SATA	- 10x SATA3 (6Gbps) ports - 2x RJ45 Gigabit Ethernet LAN ports		- Total of 6 fan headers supporting up to 6 fans - 6 fans with tachometer status monitoring
LAN	- 1x RJ45 Dedicated IPMI LAN port - 4x USB 3.0 ports (2 rear + 1 via header + 1 Type A)	FAN	- Status monitor for speed control - Status monitor for on/off control - Low noise fan speed control - Pulse Width Modulated (PWM) fan connectors
USB	- 8x USB 2.0 ports (2 rear + 6 via header) - 1x eUSB header	Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support - I°C temperature sensing logic - Thermal Monitor 2 (TM2) support - PECI
Video	- 1x VGA port	LED	- CPU / System Overheat LED - Suspend static indicator LED - UID/Remote UID
Serial Port / Header	- 1x serial port, 1x header	Other Features	- Chassis intrusion detection - Chassis intrusion header - Chipkill support - RoHS, Halogen Free
SuperDOM	- 2x <a href="#">SuperDOM</a> (Disk on Module) ports with built-in power		
TPM	- 1x TPM Header		
OS Compatibility			
<input type="checkbox"/>			
	• Please reference the <a href="#">OS Compatibility Chart</a> for details		
		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-x10srw-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-bulk-p-2789.html>