

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

Kod producenta: MBD-X10SRW-F-O



Category	Embedded
Form Factor	WIO 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 Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	1 PCI-E 3.0 x32 Left Riser Slot, 1 PCI-E 3.0 x8 (in x16 slot)

Product SKUs		Chassis (Optimized for X10SRW-F)	
MBD-X10SRW-F .B		• X10SRW-F (Bulk Pack)	
Physical Stats			
Form Factor		• Proprietary	
Dimensions		• 8.15" x 13.05", (20.70cm x 33.15cm)	
Processor			
CPU	• Intel® Xeon® processor E5-2600 v4/ v3, E5-1600 v4/ v3 family (up to 145W TDP **)		
	• Single Socket R3 (LGA 2011)		
	• Up to <b>22 Cores</b> / Up to <b>55MB<sup>1</sup></b> Cache		
Core / Cache	• BIOS version 2.0 or above is required		
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support		
Note	** E5-1600 series CPU does not support LRDIMM type memory		
System Memory			
Memory Capacity	• 8x 288-pin DDR4 DIMM slots		
	• Up to 1TB ECC 3DS LRDIMM		
	• Up to 512GB ECC LRDIMM		
Memory Type	• Up to 256GB ECC RDIMM		
	• <b>2400<sup>1</sup></b> / 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs		
	• 3DS LRDIMM: 128GB		
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		
	• Support for Intelligent Platform Management Interface v.2.0		
IPMI	• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support		
	• ASPEED AST2400 BMC		
Network Controllers	• Intel® i350-AM2 Dual Port Gigabit Ethernet		
	• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output		
Graphics	• ASPEED AST2400 BMC		
Input / Output			
SATA	• 10x SATA3 (6Gbps) ports		
LAN	• 2x RJ45 Gigabit Ethernet LAN ports		
	• 1x RJ45 Dedicated IPMI LAN port		
	• 4x USB 3.0 ports (2 rear + 1 via header + 1 Type A)		
USB	• 8x USB 2.0 ports (2 rear + 6 via header)		
	• 1x eUSB header		
Video	• 1x VGA port		
Serial Port / Header	• 1x serial port, 1x header		
SuperDOM	• 2x <b>SuperDOM</b> (Disk on Module) ports with built-in power		
TPM	• 1x TPM Header		
OS Compatibility			
• Please reference the <b>OS Compatibility Chart</b> for details			

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>	
		• <a href="#">SC826BA-R920WB</a>	
		• <a href="#">SC825TO-R740WB</a>	
		• <a href="#">SC825TO-R500WB</a>	
		• To support the new generation	
Important Chassis Notes	Intel® Xeon® processor-based motherboards, <b>Revision M</b> chassis is recommended. Please talk to your sales representative for details.		
SuperServer(s) with X10SRW-F			
Model(s)	• SYS- 1018R-WR		
	• <a href="#">SYS-1018R-WCOR</a>		
	• <a href="#">SYS-5028R-WR</a>		
	• <a href="#">SYS-5018R-WR</a>		
Expansion Slots			
PCI-Express	• 1x PCIe 3.0 x8 (in x16) slots		
	• 1x PCIe 3.0 x32 Left Riser slot		
System BIOS			
BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS		
BIOS Features	• Plug and Play (PnP)		
	• APM 1.2		
	• DMI 2.3		
	• PCI 2.3		
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		
	• <a href="#">SuperDoctor® 5</a>		
Power Configurations	• Watch Dog		
	• 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	• 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		
FAN	• 6 fans with tachometer status monitoring		
	• Status monitor for speed control		
	• Status monitor for on/off control		
	• Low noise fan speed control		
fan connectors	• Pulse Width Modulated (PWM)		
	• Monitoring for CPU and chassis environment		
Temperature	• CPU thermal trip support		
	• FC temperature sensing logic		
	• Thermal Monitor 2 (TM2) support		
	• PECI		
LED	• CPU / System Overheat LED		
	• Suspend static indicator LED		
Other Features	• UID/Remote UID		
	• 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			

Strona firmowa produktu:  
<https://www.superstorage.pl/supermicro-mbd-x10srw-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-p-2788.html>