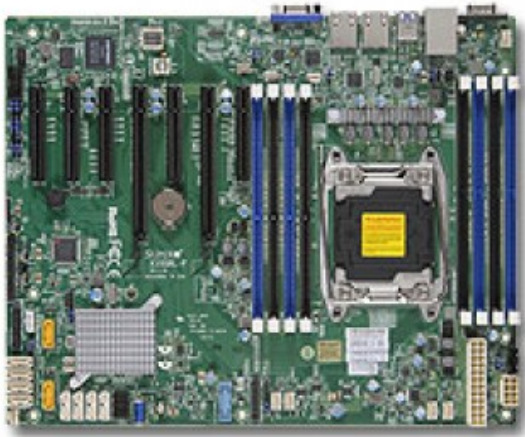


# Supermicro MBD-X10SRL-F, Single SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI

Kod producenta: MBD-X10SRL-F-O



Category	Embedded
Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	1
Supported CPU's	Intel Xeon E5-2600v3 Intel Xeon E5-1600v3
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz 1333 MHz
# of DIMM's	8
Max Memory Size	512 GB
Integrated GPU	Aspeed AST2400
# of PCIe x4 3.0	2
# of PCIe x8 3.0	4
# of PCIe x4 2.0	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
# of SATA DOM power	2
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 i210-AT Dual Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x8 (in x16) slots 2x PCI-E 3.0 x8 slots 2x PCI-E 3.0 x4 (in x8) slots Auto-switch to 1 x8 and 1 x0 1x PCI-E 2.0 x4 (in x8) slot

Product SKUs	Chassis (Optimized for X10SRL-F)	
MBD-X10SRL-F -B	• X10SRL-F (Bulk Pack)	
<b>Physical Stats</b>		
Form Factor • ATX		
Dimensions • 12" x 9.6", (30.5cm x 24.4cm)		
<b>Processor</b>		
CPU	- Intel® Xeon® processor E5-2600 v4/ v3, E5-1600 v4/ v3 family (up to 145W TDP **)	1U Chassis: - SC813MFTQ-R606CB - SC813MFTQ-R400CB - SC813MFTQ-441CB - SC826TQ-R500LPB - SC213LT-600LPB 2U Chassis: - SC825TQ-563LPB - SC825TQ-R720LPB - SC823TQ-653LPB - SC833T-653B 3U Chassis: - SC836TQ-R500B - SC836BE1C-R1K03B
Core / Cache	- Up to <b>22 Cores</b> / Up to <b>55MB</b> Cache	Mid/Mini Tower Chassis: - SC732i-500B - SC732D4F-903B
Note	<sup>1</sup> BIOS version 2.0 or above is required ** Motherboard supports this maximum TDP. Please verify your system can thermally support	4U / Tower Chassis: - SC743T-665B - SC842i-500B - SC842TQ-665B - SC842TQ-865B
Note	** E5-1600 series CPU does not support LRDIMM type memory	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.
<b>System Memory</b>		
Memory Capacity	- 8x 288-pin DDR4 DIMM slots - Up to 1TB ECC 3DS LRDIMM - Up to 512GB ECC LRDIMM - Up to 256GB ECC RDIMM - <b>2400</b> / 2133/1866/1600MHz ECC	<b>Expansion Slots</b>
Memory Type	DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs	PCI-Express - 2x PCI-E 3.0 x8 (in x16) slots - 2x PCI-E 3.0 x8 slots - 2x PCI-E 3.0 x4 (in x8) slots Auto-switch to 1 x8 and 1 x0 - 1x PCI-E 2.0 x4 (in x8) slot
DIMM Sizes	- 3DS LRDIMM: 128GB - LRDIMM: 64GB, 32GB - RDIMM: 32GB, 16GB, 8GB, 4GB	<b>System BIOS</b>
Memory Voltage	- 1.2 V	BIOS Type 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
<b>On-Board Devices</b>		
Chipset	- Intel C612 chipset - SATA3 (6Gbps) via C612 controller	<b>Management</b>
SATA	- RAID 0, 1, 5, 10 support - Support for Intelligent Platform Management Interface v.2.0	- Intel® Node Manager - IPMI 2.0 with KVM support - SuperDoctor® 5
IPMI	- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support - ASPEED AST2400 BMC - Intel® i210 Dual Port Gigabit Ethernet	Software - Watch Dog - NMI - SPM - SUM
Network Controllers	- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output	Power Configurations - ACPI Power Management - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode for AC power recovery
Graphics	- ASPEED AST2400 BMC	<b>PC Health Monitoring</b>
<b>Input / Output</b>		
SATA	- 10x SATA3 (6Gbps) ports - 2x RJ45 Gigabit Ethernet LAN ports	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 - 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 - Monitoring for CPU and chassis environment
USB	- 8x USB 2.0 ports (2 rear + 6 via header)	Temperature - 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 SuperDOM (Disk on Module) ports with built-in power	
TPM	- 1x TPM Header	
<b>OS Compatibility</b>		
• Please reference the <a href="#">OS Compatibility Chart</a> for details		
		<b>Operating Environment</b>
		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-x10srl-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-p-1387.html>