

# Supermicro MBD-X9SRL-F, Single SKT, Intel C602 Chipset, SATA, 2xGbE, IPMI Bulk

Kod producenta: MBD-X9SRL-F-B



Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 2011 (Socket R)
# of CPU sockets	1
Supported CPU's	Intel Xeon E5-2600v2 Intel Xeon E5-1600v2 Intel Xeon E5-2600 Intel Xeon E5-1600
Chipset	Intel C602 Patsburg
Memory Type	DDR3 ECC LRDIMM DDR3 ECC RDIMM DDR3 ECC UDIMM DDR3 non-ECC UDIMM
Memory Speed	1866 MHz 1600 MHz 1333 MHz 1066 MHz
# of DIMM's	8
Max Memory Size	512 GB
Integrated GPU	Matrox G200eW
# of PCIe x4 3.0	2
# of PCIe x8 3.0	4
# of PCIe x4 2.0	1
# of USB Ports	2 x USB 2.0 (rear) 6 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	10
# of SATA DOM power	1
Storage Controllers	2 x AHCI iSATA 6Gb/s 4 x AHCI iSATA 3Gb/s 4 x sSATA 3Gb/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 82574L Dual Port Gigabit Ethernet
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Nuvoton WPCM450RA0BX
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 1x PCI-E 3.0 x4 (in x8) slot

## Product SKUs

MBD-X9SRL-F -B • X9SRL-F (Bulk Pack)

## Physical Stats

Form Factor • ATX

Dimensions • 12" x 9.6", (30.5cm x 24.4cm)

## Processor/Cache

CPU - Single Socket R (LGA 2011)  
- Intel® Xeon® processor  
E5-2600/1600  
and **E5-2600/1600 v2** family†  
(up to 12 cores and up to 130W)  
† BIOS version 3.0 or above is required

Note † E5-1600 series CPU does not support LRDIMM type memory

## System Memory

Memory Capacity - 8x 240-pin DDR3 DIMM slots  
- Up to 512GB DDR3 ECC LRDIMM  
- Up to 256GB DDR3 ECC RDIMM  
- Up to 64GB DDR3 ECC/non-ECC UDIMM

Memory Type - 1866/1600/1333/1066MHz ECC  
DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes - 32GB, 16GB, 8GB, 4GB, 2GB, 1GB,  
64GB LRDIMM

Memory Voltage - 1.5 V, 1.35 V

Error Detection - Corrects single-bit errors  
- Detects double-bit errors  
(using ECC memory)

## On-Board Devices

Chipset - Intel C602 chipset

SATA - SATA3 (6Gb/s) and SATA2 (3Gb/s)  
- 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  
- Nuvoton WPCM450RA0BX  
- Intel® 82574L Dual Port Gigabit Ethernet

Network Controllers - Virtual Machine Device Queues reduce I/O overhead  
- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Video - Matrox G200eW 16MB DDR2 graphics

## Input / Output

SATA - 2 SATA 3.0 ports (6Gb/s)  
- 4 SATA 2.0 ports (3Gb/s)

SCU - 4 SATA ports (3Gb/s) via SCU  
- 2 RJ45 Gigabit Ethernet LAN ports

LAN - 1 RJ45 Dedicated IPMI LAN port

USB - 9 USB 2.0 ports total (2 rear + 6 via header + 1 Type A)

Video - 1 VGA port

Keyboard/Mouse - 2 PS/2 Keyboard/Mouse ports

Serial Port / Header - 1 serial port, 1 by headers

DOM - 1 DOM (Disk on Module) power connector

TPM - 1 TPM Header

## OS Compatibility

## Chassis ( Optimized for X9SRL-F )

2U Chassis - CSE-823TQ-650B  
- [CSE-823TQ-653LPB](#)  
- [CSE-826E16-R500LPB](#)  
- [CSE-826TQ-R500LPB](#)

3U Chassis - [CSE-836E16-R500B](#)  
- [CSE-836TQ-R500B](#)

Tower / 4U Rackmount - [CSE-842TQ-665B](#)

Important Chassis Notes - To support motherboards based on Intel® Xeon® processor 5500/3500 series, **Revision K** or later chassis is recommended for most models. Please talk to your sales representative for details.

## Expansion Slots

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  
- 1x PCI-E 2.0 x4 (in x8) slot

## System BIOS

BIOS Type - 64Mb SPI Flash EEPROM with AMI BIOS

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

## Management

Software - IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support  
- [SuperDoctor® III](#)  
- Watch Dog  
- NMI

Power Configurations - ACPI / APM 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 5 fan headers supporting up to 5 fans  
- 5 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<sup>2</sup>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

*Strona firmowa produktu:*

<https://www.superstorage.pl/supermicro-mbd-x9srl-single-skt-intel-c602-chipset-sata-2xgbe-ipmi-bulk-p-2640.html>