

Supermicro MBD-X9SRH-7F, Single SKT, Intel C602J Chipset, SATA, LSI2308 SAS2, 2xGbE, IPMI

Kod producenta: MBD-X9SRH-7F-O



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 C602J 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 x16 3.0	1
# of PCIe x8 3.0	1
# 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	6
# of SATA DOM power	1
# of SAS Ports	8
Storage Controllers	2 x AHCI iSATA 6Gb/s 4 x AHCI iSATA 3Gb/s LSI 2308 6Gb/s
Integrated RAID	0,1,5,10
Hardware RAID	0,1,10
# 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	Nuvoton WPCM450RA0BX
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x16 slot 1x PCI-E 3.0 x8 (in x16) slot 1x PCI-E 2.0 x4 (in x8) slot

Product SKUs

MBD-X9SRH-7F -B • X9SRH-7F (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 135W)

† 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 C602J chipset (7 Years Long Life)

SATA - SATA3 (6Gb/s) and SATA2 (3Gb/s)
- RAID 0, 1, 5, 10

SAS - SAS2 (6Gb/s) via LSI 2308
- SW RAID 0, 1, 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 Node Manager support
- Intel® i350 Dual Port Gigabit Ethernet
- Virtual Machine Device Queues reduce I/O overhead

Network Controllers - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- 1x Realtek RTL8201N PHY (dedicated IPMI)

Video - Matrox G200eW 16MB DDR2 graphics

Super I/O - Nuvoton NCT 6776F

Input / Output

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

SAS - 8 SAS2 ports (6Gb/s)

LAN - 2 RJ45 Gigabit Ethernet LAN ports
- 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 - 2 serial ports (1 rear, 1 header)

DOM - 1 DOM (Disk on Module) power connector

TPM - 1 TPM Header

Chassis (Optimized for X9SRH-7F)

1U Chassis - [CSE-113MTO-330CB](#)
- [CSE-813MTO-350C](#)
- [CSE-813MTO-R400CB](#)
- [CSE-823TO-653LPB](#)

2U Chassis - [CSE-826E16-R500LPB](#)
- [CSE-826TO-R500LPB](#)
- [CSE-833T-650B](#)
- [CSE-833T-653B](#)

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

Tower / 4U Rackmount - [CSE-842TO-665B](#)
- [CSE-842TO-865B](#)

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 - 1x PCI-E 3.0 x16 slot
- 1x PCI-E 3.0 x8 (in x16) slot
- 1x PCI-E 2.0 x4 (in x8) slot

PCI - 3x PCI-32 slots

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.

FAN - Five 4-pin fan headers supporting up to 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
- PECE

LED - CPU / System Overheat LED
- Suspend static indicator LED
- UID/Remote UID
- Chassis intrusion detection
- Chassis intrusion header

Other Features - Chipkill support
- RoHS Compliant

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x9srh-7f-single-skt-intel-c602j-chipset-sata-lsi2308-sas2-2x-gbe-ipmi-p-1376.html>