Supermicro MBD-X9SRH-7TF, Single SKT, Intel C602J Chipset, SATA, LSI2308 SAS2, 2x10GbE, IPMI

Kod producenta: MBD-X9SRH-7TF-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 E5-2600 Intel Xeon E5-1600v2 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 10GbE Ports	2 x Base-T
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
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-7TF -B • X9SRH-7TF (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)
Note	† BIOS version 3.0 or above is required † 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
IPMI	- Support for Intelligent Platform Management Interface v.2.0 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support - Nuvoton WPCM450RA0BX - Intel Node Manager support
Network Controllers	- Intel® X540 Dual Port 10GBase-T - Virtual Machine Device Queues reduce I/O overhead - Supports 10GBase-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 10GbE 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-7TF)

1U Chassis	- [CSE-113MTQ-330CB](#) - [CSE-813MTQ-350C](#) - [CSE-813MTQ-R400CB](#)
2U Chassis	- [CSE-823TQ-653LPB](#) - [CSE-826E16-R500LPB](#) - [CSE-826TQ-R500LPB](#)
3U Chassis	- [CSE-833T-650B](#) - [CSE-833T-653B](#) - [CSE-836E16-R500B](#) - [CSE-836TQ-R500B](#)
Tower / 4U Rackmount	- [CSE-842TQ-665B](#) - [CSE-842TQ-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	- 2x 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
Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support - I²C 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 - ... Free

Strona firmowa produktu:
https://www.superstorage.pl/supermicro-mbd-x9srh-7tf-single-skt-intel-c602j-chipset-sata-lsi2308-sas2-2x10gbe-ipmi-p-1375.html