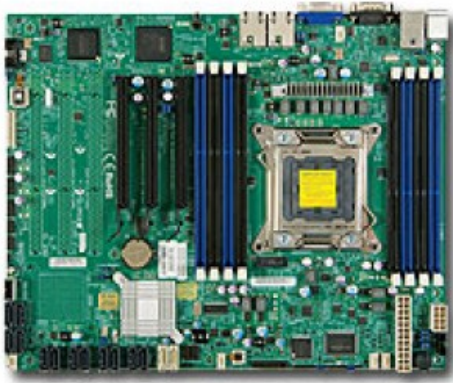


# Supermicro MBD-X9SRi-3F, Single SKT, Intel C606 Chipset, SATA, SAS2, 2xGbE, IPMI

Kod producenta: MBD-X9SRi-3F-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<br>Intel Xeon E5-1600v2<br>Intel Xeon E5-2600<br>Intel Xeon E5-1600                                    |
| Chipset             | Intel C602 Patsburg                                                                                                         |
| Memory Type         | DDR3 ECC LRDIMM<br>DDR3 ECC RDIMM<br>DDR3 ECC UDIMM<br>DDR3 non-ECC UDIMM                                                   |
| Memory Speed        | 1866 MHz<br>1600 MHz<br>1333 MHz<br>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)<br>6 x USB 2.0 (header)<br>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<br>4 x AHCI iSATA 3Gb/s<br>8 x SCU SAS 3Gb/s                                                           |
| Integrated RAID     | 0,1,5,10                                                                                                                    |
| Hardware RAID       | 0,1,10                                                                                                                      |
| # of Serial Ports   | 1 x Fast UART 16550 (rear)<br>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<br>KVM-over-LAN<br>Virtual Media over LAN<br>IPMI Dedicated RJ45 PHY                                               |
| BMC chip            | Nuvoton WPCM450RA0BX                                                                                                        |
| TPM                 | 1 x TPM 1.2 20-pin Header                                                                                                   |
| Uwagi               | PCI-Express Slots Configuration:<br>1x PCI-E 3.0 x16 slot<br>1x PCI-E 3.0 x8 (in x16) slot<br>1x PCI-E 2.0 x4 (in x16) slot |

| Product SKUs                               |                                                                                                          |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| MBD-X9SRi-3F -B • X9SRi-3F (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 <b>E5-2600/1600 v2</b> 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                                                                            |
| Memory Type                                | - Up to 256GB DDR3 ECC RDIMM                                                                             |
|                                            | - Up to 64GB DDR3 ECC/non-ECC UDIMM                                                                      |
| DIMM Sizes                                 | - 1866/1600/1333/1066MHz ECC                                                                             |
|                                            | - 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM                                                            |
| Memory Voltage                             | - DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs                                                           |
|                                            | - 1.5 V, 1.35 V                                                                                          |
| Error Detection                            | - Corrects single-bit errors                                                                             |
|                                            | - Detects double-bit errors (using ECC memory)                                                           |
| On-Board Devices                           |                                                                                                          |
| Chipset                                    | - Intel C606 chipset                                                                                     |
|                                            | - SATA3 (6Gb/s) and SATA2 (3Gb/s)                                                                        |
| SATA                                       | - RAID 0, 1, 5, 10 support (Windows)                                                                     |
|                                            | - RAID 0, 1, 10 support (Linux)                                                                          |
| IPMI                                       | - Support for Intelligent Platform Management Interface v.2.0                                            |
|                                            | - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support                                          |
| Network Controllers                        | - NUVOTON WPCM450RA0BX                                                                                   |
|                                            | - 1x Realtek RTL8201N PHY (dedicated IPMI)                                                               |
| Video                                      | - Intel® i350 Dual Port Gigabit Ethernet                                                                 |
|                                            | - Virtual Machine Device Queues reduce I/O overhead                                                      |
| Super I/O                                  | - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output                                             |
|                                            | - Matrox G200eW 16MB DDR2 graphics                                                                       |
| - Nuvoton NCT 6776F                        |                                                                                                          |
| Input / Output                             |                                                                                                          |
| SATA                                       | - 2 SATA 3.0 ports (6Gb/s)                                                                               |
|                                            | - 4 SATA 2.0 ports (3Gb/s)                                                                               |
| SCU                                        | - 8 SAS/SATA (3Gb/s) ports via SCU                                                                       |
|                                            | - 2 RJ45 Gigabit Ethernet LAN ports                                                                      |
| LAN                                        | - 1 RJ45 Dedicated IPMI LAN port                                                                         |
|                                            | - 9 USB 2.0 ports total                                                                                  |
| USB                                        | (2 rear + 6 via header + 1 Type A)                                                                       |
|                                            | - 1 VGA port                                                                                             |
| Video                                      | - 2 PS/2 Keyboard/Mouse ports                                                                            |
|                                            | - 1 serial port (rear) and 1 serial header (side)                                                        |
| Keyboard/Mouse Header                      | - 1 serial port (rear) and 1 serial header (side)                                                        |
|                                            | - 1 DOM (Disk on Module) power connector                                                                 |
| DOM                                        |                                                                                                          |

| Chassis ( Optimized for X9SRi-3F ) |                                                                                                                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1U Chassis                         | - <a href="#">CSE-113MTQ-330CB</a>                                                                                                                                                                   |
|                                    | - <a href="#">CSE-512F-350B</a>                                                                                                                                                                      |
| Important Chassis Notes            | - <a href="#">CSE-512F-441B</a>                                                                                                                                                                      |
|                                    | - CSE-811TQ-R441B                                                                                                                                                                                    |
| Expansion Slots                    | - <a href="#">CSE-813MTQ-350C</a>                                                                                                                                                                    |
|                                    | - <a href="#">CSE-813MTQ-441CB</a>                                                                                                                                                                   |
| PCI-Express                        | - <a href="#">CSE-813MTQ-R400CB</a>                                                                                                                                                                  |
|                                    | - To support motherboards based on Intel® Xeon® processor 5500/3500 series, <b>Revision K</b> or later chassis is recommended for most models. Please talk to your sales representative for details. |
| System BIOS                        |                                                                                                                                                                                                      |
| BIOS Type                          | - 128Mb SPI Flash EEPROM with AMI BIOS                                                                                                                                                               |
|                                    | - Plug and Play (PnP)                                                                                                                                                                                |
| BIOS Features                      | - APM 1.2                                                                                                                                                                                            |
|                                    | - DMI 2.3                                                                                                                                                                                            |
| Management                         | - PCI 2.3                                                                                                                                                                                            |
|                                    | - ACPI 1.0 / 2.0 / 3.0 / 4.0                                                                                                                                                                         |
| PC Health Monitoring               | - USB Keyboard support                                                                                                                                                                               |
|                                    | - Hardware BIOS Virus protection                                                                                                                                                                     |
| Voltage                            | - SMBIOS 2.7.1                                                                                                                                                                                       |
|                                    | - UEFI 2.3.1                                                                                                                                                                                         |
| FAN                                | - RTC (Real Time Clock) Wakeup                                                                                                                                                                       |
|                                    | - IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support                                                                                                                       |
| Power Configurations               | - <a href="#">SuperDoctor® III</a>                                                                                                                                                                   |
|                                    | - Watch Dog                                                                                                                                                                                          |
| FAN                                | - NMI                                                                                                                                                                                                |
|                                    | - ACPI / APM Power Management                                                                                                                                                                        |
| Temperature                        | - Keyboard Wakeup from Soft-Off                                                                                                                                                                      |
|                                    | - CPU Fan auto-off in sleep mode                                                                                                                                                                     |
| LED                                | - Power-on mode for AC power recovery                                                                                                                                                                |
|                                    | - Monitors for CPU Cores, +3.3V, +5V, ±12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.                                                                                                         |
| Other Features                     | - Total of 8 fan headers supporting up to 8 fans                                                                                                                                                     |
|                                    | - Eight 4-pin fan headers                                                                                                                                                                            |
| LED                                | - 8 fans with tachometer status monitoring                                                                                                                                                           |
|                                    | - Status monitor for speed control                                                                                                                                                                   |
| Other Features                     | - Status monitor for on/off control                                                                                                                                                                  |
|                                    | - Low noise fan speed control                                                                                                                                                                        |
| Temperature                        | - Pulse Width Modulated (PWM) fan connectors                                                                                                                                                         |
|                                    | - Monitoring for CPU and chassis environment                                                                                                                                                         |
| LED                                | - CPU thermal trip support                                                                                                                                                                           |
|                                    | - I°C temperature sensing logic                                                                                                                                                                      |
| Other Features                     | - Thermal Monitor 2 (TM2) support                                                                                                                                                                    |
|                                    | - PECI                                                                                                                                                                                               |
| Temperature                        | - CPU / System Overheat LED                                                                                                                                                                          |
|                                    | - Suspend static indicator LED                                                                                                                                                                       |
| LED                                | - UID/Remote UID                                                                                                                                                                                     |
|                                    | - Chassis intrusion detection                                                                                                                                                                        |
| Other Features                     | - Chassis intrusion header                                                                                                                                                                           |
|                                    | - Chipkill support                                                                                                                                                                                   |
| Temperature                        | - RoHS, Halogen Free                                                                                                                                                                                 |
|                                    |                                                                                                                                                                                                      |

*Strona firmowa produktu:*

*<https://www.superstorage.pl/supermicro-mbd-x9sri-3f-single-skt-intel-c606-chipset-sata-sas2-2xgbe-ipmi-p-1380.html>*