

[Products](#) ▶ [Motherboards](#) ▶ [Xeon® Boards](#) ▶ **[X9SRi-3F]**

1. Single socket R (LGA 2011) supports Intel® Xeon® processor E5-2600/1600 and **E5-2600/1600 v2** family†
2. Intel® C606 chipset; QPI up to 8.0GT/s
3. Up to 512GB ECC DDR3, up to 1866MHz; 8x DIMM slots
4. Expansion slots: 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (in x16), and 1 PCI-E 2.0 x4 (in x16)
5. Intel® i350 Dual port GbE LAN
6. 2 SATA3 (6Gb/s), 4 SATA2 (3Gb/s), & 8 SAS/SATA (3Gb/s) ports via SCU
7. Integrated IPMI 2.0 and KVM w/ Dedicated LAN
8. 9 USB 2.0 ports (2 rear + 6 via header + 1 Type A)
9. DOM power connector support

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD / SSD List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)
- ▶ [Heat Sink Compatibility](#)
- ▶ [OS Compatibility](#)

Specifications

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 E5-2600/1600 v2 family† (up to 12 cores and up to 135W)
Note	† BIOS version 3.0 or above is required
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 C606 chipset
SATA	▪ SATA3 (6Gb/s) and SATA2 (3Gb/s) ▪ 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 ▪ NUVOTON WPCM450RA0BX ▪ 1x Realtek RTL8201N PHY (dedicated IPMI)
Network Controllers	▪ Intel® i350 Dual Port Gigabit Ethernet ▪ Virtual Machine Device Queues reduce I/O overhead ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
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)
SCU	▪ 8 SAS/SATA (3Gb/s) ports via SCU
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	▪ 1 serial port (rear) and 1 serial header (side)
DOM	▪ 1 DOM (Disk on Module) power connector
TPM	▪ 1 TPM 1.2 20-pin Header

Chassis (Optimized for X9SRI-3F)	
1U Chassis	▪ CSE-113MTQ-330CB ▪ CSE-512F-350B ▪ CSE-512F-441B ▪ CSE-811TQ-R441B ▪ CSE-813MTQ-350C ▪ CSE-813MTQ-441CB ▪ CSE-813MTQ-R400CB
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	▪ 1 (x16) PCIe 3.0 slot ▪ 1 (x8) PCIe 3.0 (in x16) slot ▪ 1 (x4) PCIe 2.0 (in x16) slot
System BIOS	
BIOS Type	▪ 128Mb 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	▪ Total of 8 fan headers supporting up to 8 fans ▪ Eight 4-pin fan headers ▪ 8 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 ▪ $^{\circ}$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

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List

Parts List (Bulk Package)			
	Part Number	Qty	Description
X9SRI-3F	MBD-X9SRI-3F	1	X9SRI-3F Motherboard
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00027-0N	1	STD I/O SHIELD