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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: 3 PCI-X 133/100, 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (in x16) 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-X9SRE-3F - B	X9SRE-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 (Window s) - 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	- 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 ports (3Gb/s) 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) pow er connector
TPM	1 TPM 1.2 20-pin Header

Chassis (Optimized for X9SRE-3F)	
2U Chassis	▪ 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	▪ 1 (x16) PCIe 3.0 slot ▪ 1 (x8) PCIe 3.0 (in x16) slot ▪ 1 (x4) PCIe 2.0 (in x16) slot ▪ 3 PCI-X 64bit 133/100 slots
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 ▪ Hardw are 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 w ith KVM support ▪ SuperDoctor® III ▪ Watch Dog ▪ NMI
Power Configurations	▪ ACPI / APM Pow er Management ▪ Keyboard Wakeup from Soft-Off ▪ CPU Fan auto-off in sleep mode ▪ Pow er-on mode for AC pow er recovery
PC Health Monitoring	
Voltage	▪ Monitors for CPU Cores, +3.3V, +5V, ±12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
FAN	▪ Total of 5 fan headers supporting up to 5 fans ▪ Five 4-pin fan headers ▪ 5 fans w ith 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 ▪ ̊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
X9SRE-3F	MBD-X9SRE-3F	1	X9SRE-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