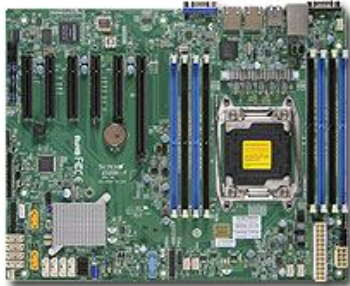




X10SRi-F

Products ▶ Motherboards ▶ Xeon® Boards ▶ [X10SRi-F]



Key Features

1. Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 and E5-1600 v3 family
2. Intel® C612 chipset
3. Up to 512GB ECC DDR4 2133MHz LRDIMM; 8x DIMM sockets
4. 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8), 1 PCI-E 3.0 x16, 1 PCI-E 2.0 x2 (in x8), 1 PCI-E 2.0 x4 (in x8)
5. Intel® i350-AM2 Dual port GbE LAN
6. 10x SATA3 (6Gbps) via C612
7. 1x VGA, 2x COM, 1x TPM
8. 4x USB 3.0 ports, 8x USB 2.0 ports
9. 2x SuperDOM with built-in power

Links & Resources

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

Specifications

Product SKUs

MBD-X10SRi-F-B	■ X10SRi-F (Bulk Pack)
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Physical Stats

Form Factor	■ ATX
Dimensions	■ 12" x 9.6", (30.5cm x 24.4cm)

Processor

CPU	■ Intel® Xeon® processor E5-2600/1600 v3 family (up to 145W TDP **) ■ Single Socket R3 (LGA 2011)
Core / Cache	■ Up to 18 Cores / Up to 45MB Cache
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support

System Memory

Memory Capacity	■ 8x 284-pin DDR4 DIMM sockets ■ Up to 512GB DDR4 ECC LRDIMM ■ Up to 256GB DDR4 ECC RDIMM
Memory Type	■ 2133/1866/1600/1333MHz ECC DDR4 SDRAM 72-bit, 284-pin gold-plated DIMMs
DIMM Sizes	■ RDIMM: 32GB, 16GB, 8GB, 4GB
Memory Voltage	■ 1.2 V
Error Detection	■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	■ Intel C612 Express chipset
SATA	■ SATA3 (6Gbps) via C612 controller ■ 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 ■ ASPEED AST2400 BMC

Chassis (Optimized for X10SRi-F)

1U Chassis	■ CSE-813MFTQ-441CB ■ CSE-813MFTQ-R400CB
2U Chassis	■ CSE-213LT-600LPB ■ CSE-823TQ-653LPB ■ CSE-825TQ-563LPB ■ CSE-825TQ-R600LPB ■ CSE-826TQ-R500LPB
3U Chassis	■ CSE-833T-653B ■ CSE-836TQ-R500B
Mid-Tower	■ CSE-732D4F-903B ■ CSE-732i-500B
Tower / 4U Rackmount	■ CSE-743T-665B ■ CSE-842i-500B ■ 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 x4 (in x8) slot ■ 2x PCI-E 3.0 x8 slots ■ 1x PCI-E 2.0 x4 (in x8) slot ■ 1x PCI-E 2.0 x2 (in x8) slot
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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

Network Controllers	<ul style="list-style-type: none"> Intel® i350-AM2 Dual Port Gigabit Ethernet Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> ASPEED AST2400 BMC

Input / Output

SATA	<ul style="list-style-type: none"> 10x SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 4x USB 3.0 ports (2 rear + 1 via header + 1 Type A) 8x USB 2.0 ports (2 rear + 6 via header)
Video	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x serial port, 1x header
SuperDOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) ports with built-in power
TPM	<ul style="list-style-type: none"> 1x TPM 1.2 20-pin Header

OS Compatibility

- Please reference the [OS Compatibility Chart](#) for details

Management

Software	<ul style="list-style-type: none"> Intel® Node Manager IPMI 2.0 with KVM support SuperDoctor® 5 Watch Dog NMI SPM SUM
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Power Configurations	<ul style="list-style-type: none"> ACPI Power Management Keyboard Wakeup from Soft-Off CPU Fan auto-off in sleep mode Power-on mode for AC power recovery
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PC Health Monitoring

Voltage	<ul style="list-style-type: none"> Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
FAN	<ul style="list-style-type: none"> Total of 6 fan headers supporting up to 6 fans 6 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	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED Suspend static indicator LED UID/Remote UID
Other Features	<ul style="list-style-type: none"> 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
Motherboard	MBD-X10SRi-F	1	X10SRi-F 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

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