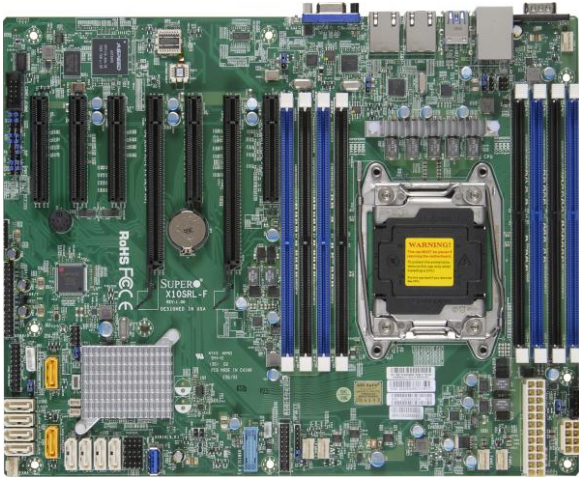


X10SRL-F



Embedded Key Features

1. Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4†/ v3 and E5-1600 v4†/ v3 family
2. Intel® C612 chipset
3. Up to 1TB† ECC 3DS LRDIMM, up to DDR4- 2400†MHz; 8 DIMM slots
4. 7 PCI-E slots total:
2 PCI-E 3.0 x8, 2 PCI-E 3.0 x8 (in x16), 2 PCI-E 3.0 x4 (in x8) or 1 x8 + 1 x0 (auto-switch), & 1 PCI-E 2.0 x4 (in x8)
5. Intel® i210 Dual port GbE LAN
6. 10 SATA3 (6Gbps) via C612
7. 1 VGA, 2 COM, 1 TPM
8. 4 USB 3.0 ports, 8 USB 2.0 ports
9. 2 SuperDOM with built-in power

Specifications

Product SKUs		Expansion Slot
MBD-X10SRL-F	<ul style="list-style-type: none"> X10SRL-F 	PCI-E
Physical Stats		System BIOS
Form Factor	<ul style="list-style-type: none"> ATX 	BIOS Type
Dimensions	<ul style="list-style-type: none"> 12" x 9.6" (cm x 24.38cm) 	BIOS Features
Processor/Cache		Management
CPU	<ul style="list-style-type: none"> Intel® Xeon® Processor E5-1600 v3, Intel® Xeon® Processor E5-1600 v4, Intel® Xeon® processor E5-2600 v3, Intel® Xeon® processor E5-2600 v4. Single Socket LGA-2011-3 (Socket R3) supported, CPU TDP support Up to 145W TDP 	Software
Cores / Cache	<ul style="list-style-type: none"> Up to 22 cores † / Up to 55MB† cache 	Power Configuration:
Note	<ul style="list-style-type: none"> † BIOS version 2.0 or above is required 	PC Health Mon
Note	<ul style="list-style-type: none"> ** Motherboard supports this maximum TDP. Please verify your system can thermally support. 	Voltage
System Memory		FAN
Memory Capacity	<ul style="list-style-type: none"> Up to 256GB Registered ECC RDIMM, DDR4-2400MHz; Up to 512GB LRDIMM LRDIMM, DDR4-2400MHz, in 8 DIMM slotsUp to 1TB ECC 3DS LRDIMM 	Temperature
Memory Type	<ul style="list-style-type: none"> 2400/ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs 	LED
DIMM Sizes	<ul style="list-style-type: none"> RDIMM: 4GB, 8GB, 16GB, 32GB LRDIMM: 32GB, 64GB 3DS LRDIMM: 128GB 	Other Feature:
Memory Voltage	<ul style="list-style-type: none"> 1.2V 	Operating Envi
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory) 	Operating Temperature Range
On-Board Devices		Non-Operating Temperature Range
Chipset	<ul style="list-style-type: none"> Intel® C612 	Operating Relative Humidity Rang
SATA	<ul style="list-style-type: none"> Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 	Non-Operating Relative Humidity Rang
IPMI	<ul style="list-style-type: none"> 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 	
Network Controllers	<ul style="list-style-type: none"> Dual LAN with Intel® Ethernet Controller I210Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output 	
Graphics	<ul style="list-style-type: none"> Aspeed AST2400 BMC 	
Input / Output		
SATA	<ul style="list-style-type: none"> 10 SATA3 (6Gbps) port 	
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port 	
USB	<ul style="list-style-type: none"> 8 USB 2.0 ports (2 rear + 6 via headers) 4 USB 3.0 ports (2 rear + 1 via header + 1 Type A) 	

Video Output	■ 1 VGA port
Serial Port / Header	■ 2 COM Ports (1 rear, 1 header) 2 fast UART 16550 serial
TPM	■ TPM Header

Parts List

Parts List (Bulk Package)		
Name	Part Number	Qty
Motherboard	MBD-X10SRL-F	1
I/O Cable 1	CBL-0044L	2
I/O Shield	MCP-260-00042-0N	1

Chassis (Optimized for X10SRL-F)

Embedded Compact	1U	2U	
1U Heatsink:SNK-P0047PS 2U Heatsink:SNK-P0048AP4	<ul style="list-style-type: none"> ● SC813MFTQ-R606CB ● SC813MFTQ-R400CB ● SC813MFTQ-441CB 1U Heatsink:SNK-P0047PS 2U Heatsink:SNK-P0048AP4	<ul style="list-style-type: none"> ● SC213LT-600LPB ● SC826TQ-R500LPB ● SC823TQ-653LPB ● SC825TQ-563LPB ● SC825TQ-R720LPB 1U Heatsink:SNK-P0047PS 2U Heatsink:SNK-P0048AP4	<ul style="list-style-type: none"> ● SC833T-653LPB ● SC836TQ-R400CB ● SC836BE1C 1U Heatsink 2U Heatsink

● = Most optimized Chassis for SuperServer Configuration
● = Compatible
● = Global SKU & Compatible
● & ● = Optimized + Global SKU