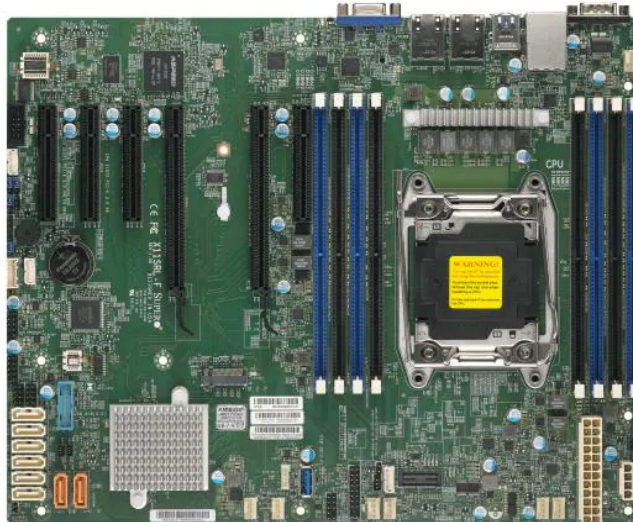


X11SRL-F



Key Features

1. Intel® Xeon® W-2100 Processors, Intel® Xeon® W-2200 Processors, Single Socket LGA-2066 (Socket R4) supported, CPU TDP supports Up to 165W TDP
2. Intel® C422
3. Up to 512GB ECC RDIMM, DDR4-2933MHz; Up to 1TB Registered ECC LRDIMM, DDR4-2933MHz, in 8 DIMM slots
4. 3 PCI-E 3.0 x8,
1 PCI-E 3.0 x16,
1 PCI-E 3.0 x8 (in x16 slot),
1 PCI-E 3.0 x4 (in x8 slot)
M.2 Interface: 1 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
Double Height Connector
5. Dual LAN with Intel® i210 Gigabit Ethernet Controller
6. Intel® C422 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Specifications

Product SKUs	
MBD-X11SRL-F	■ X11SRL-F
Physical Stats	
Form Factor	■ ATX
Dimension	■ 12" x 9.6" (30.48cm x 24.38cm)
Processor	
CPU	■ Intel® Xeon® W-2100 Processors, Intel® Xeon® W-2200 Processors ■ Single Socket LGA-2066 (Socket R4) supported, CPU TDP supports Up to 165W TDP
Core	■ Up to 18 cores, 36 threads
Note	■ W-2200 CPU is supported on the motherboards with BIOS 2.0 or newer upon receiving from Supermicro ■ To support 130W (or higher TDP) W-2200 CPUs, BIOS 2.0 & VRM update by Supermicro are required
System Memory	
Memory Capacity	■ 8 DIMM slots ■ Up to 1TB ECC LRDIMM, DDR4-2933MHz; Up to 512GB ECC RDIMM, DDR4-2933MHz
Memory Type	■ 2666/2400/2133MHz ECC DDR4 LRDIMM, RDIMM
DIMM Sizes	■ 4GB, 8GB, 16GB, 32GB, 64GB, 128GB
Memory Voltage	■ 1.2V
Error Detection	■ Corrects single-bit errors
On-Board Devices	
Chipset	■ Intel® C422
SATA	■ Intel® C422 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	■ ASPEED AST2500
Graphics	■ ASPEED AST2500 BMC
Network Controllers	■ Dual LAN with Intel® i210 Gigabit Ethernet Controller
Input / Output	
SATA	■ 8 SATA3 (6Gbps) port(s)
LAN	■ 2 RJ45 Gigabit Ethernet LAN ports

Expansion Slots	
PCI-E	■ 3 PCI-E 3.0 x8, ■ 1 PCI-E 3.0 x16, ■ 1 PCI-E 3.0 x8 (in x16 slot), ■ 1 PCI-E 3.0 x4 (in x8 slot)
M.2	■ M.2 Interface: 1 PCI-E 3.0 x4 ■ Form Factor: 2280/22110 ■ Key: M-Key
System BIOS	
BIOS Type	■ AMI UEFI
BIOS Features	■ ACPI 6.2 ■ SMBIOS 3.0 or later ■ UEFI 2.7
Management	
Software	■ SuperDoctor® 5, <u>SUM</u> , KVM with dedicated LAN, <u>IPMI2.0</u> , Watchdog
Power Configurations	■ Power-on mode for AC power recovery, ACPI Power Management, CPU thermal trip support for processor protection
PC Health Monitoring	
Voltage	■ VBAT, System temperature, Monitors CPU voltages, HT, Chassis intrusion header, 3.3V standby, +5V standby, +5V, +3.3V, +12V, +1.8V, 7-fan status
LED	■ UID/Remote UID ■ Suspend static indicator LED ■ CPU / System Overheat LED
Temperature	■ CPU thermal trip support ■ PECI ■ Thermal Control for 6 Fan Connectors
FAN	■ 7x 4-pin fan headers (up to 7 fans) ■ System level control ■ PWM fan speed control ■ Fan speed control ■ Overheat LED indication
Other Features	■ UID, RoHS, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management
Operating Environment	
Operating Temperature Range	■ 0°C - 50°C (32°F - 122°F)
Non-Operating Temperature Range	■ -40°C - 70°C (-40°F - 158°F)

USB	6 USB 2.0 port(s) (4 via header; 2 rear) 3 USB 3.2 Gen1 port(s) (2 via header; 1 type A) 2 USB 3.0 port(s) (2 rear)
Video Output	1 VGA port(s)
Serial Port	2 COM Port(s) (1 header; 1 rear)
DOM	2 SATA <u>DOM</u> (Disk on Module) power connector support
TPM	1 TPM Header

Operating Relative Humidity Range	10% - 85% (non-condensing)
Non Operating Relative Humidity Range	10% - 95% (non-condensing)

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SRL-F	1	X11SRL-F Motherboard
I/O Cables	CBL-0044L • eStore	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • eStore	1	STD I/O Shield for X11SRL-F with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SRL-F	1	X11SRL-F Motherboard
I/O Cables	CBL-0044L • eStore	6	57.5 cm SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • eStore	1	STD I/O Shield for X11SRL-F with EMI Gasket
QRG	MNL-2176-QRG	1	Motherboard Quick Reference Guide

Chassis (Optimized for X11SRL-F)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<u>SC113MFAC2-605CB</u>	<u>SC825TQC-R740LPB</u> <u>SCLA26E1C4-R609LP</u> <u>SCLA25TQC-R609LP</u> <u>SC825TQC-600LPB</u>		<u>SC733TQ-668B</u>	<u>SC842TQC-668B</u> <u>SC743AC-668B</u>

● = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

