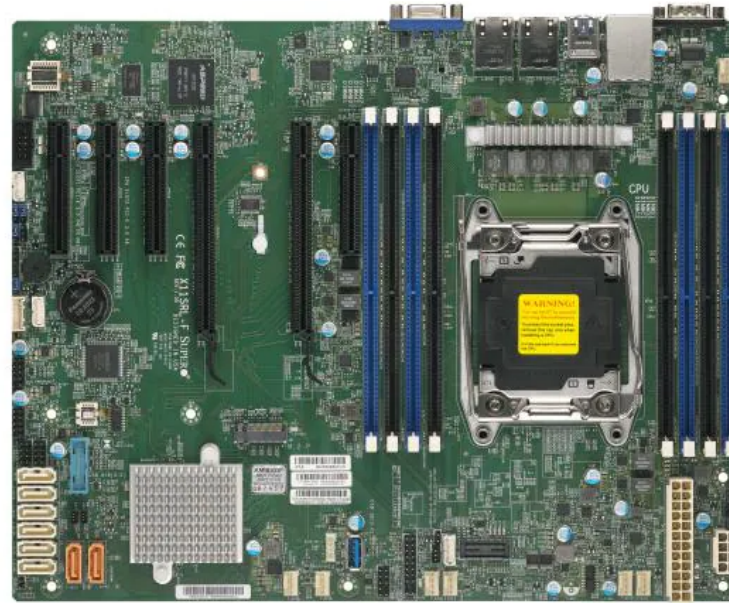


# X11SRL-F

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## Key Features

Intel® Xeon® W-2100 Processors, Intel® Xeon® W-2200 Processors, Single Socket LGA-2066 (Socket R4) supported, CPU TDP supports Up to 165W TDP

Intel® C422

Up to 512GB ECC RDIMM, DDR4-2933MHz; Up to 1TB Registered ECC LRDIMM, DDR4-2933MHz, in 8 DIMM slots

3 PCIe 3.0 x8,

1 PCIe 3.0 x16,

1 PCIe 3.0 x8 (in x16 slot),

1 PCIe 3.0 x4 (in x8 slot)

**M.2 Interface:** 1 PCIe 3.0 x4

**M.2 Form Factor:** 2280/22110

**M.2 Key:** M-Key

Double Height Connector

Dual LAN with Intel® i210 Gigabit Ethernet Controller

Intel® C422 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

## Specifications

## Product SKUs

**MBD-X11SRL-F**

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## Physical Stats

### Form Factor

ATX

### Dimension

12" x 9.6" (30.48cm x 24.38cm)

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## 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

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## 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

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## On-Board Devices

### Chipset

Intel® C422

### SATA

Intel® C422 controller for 8 SATA3 (6 Gbps)

ports; RAID 0,1,5,10

### IPMI

ASPEED AST2500

## Expansion Slots

### PCIe

3 PCIe 3.0 x8,

1 PCIe 3.0 x16,

1 PCIe 3.0 x8 (in x16 slot),

1 PCIe 3.0 x4 (in x8 slot)

### M.2

M.2 Interface: 1 PCIe 3.0 x4

Form Factor: 2280/22110

Key: M-Key

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## System BIOS

### BIOS Type

AMI UEFI

### BIOS Features

ACPI 6.2

SMBIOS 3.0 or later

UEFI 2.7

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## Management

### Software

SuperDoctor® 5, [SUM](#), KVM with

dedicated LAN, [IPMI2.0](#), Watchdog

### Power Configurations

Power-on mode for AC power recovery,

ACPI Power Management, CPU thermal

trip support for processor protection

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## 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

### Graphics

1 ASPEED AST2500 BMC port(s)

### Network Controllers

Dual LAN with Intel® i210 Gigabit Ethernet Controller

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### Input / Output

#### SATA

8 SATA3 (6Gbps) port(s)

#### LAN

2 RJ45 Gigabit Ethernet LAN ports

#### 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 DOM (Disk on Module) power connector support

#### TPM

1 TPM Header

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### Other Features

UID, RoHS, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management

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### 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)

#### Operating Relative Humidity Range

10% - 85% (non-condensing)

#### Non Operating Relative Humidity Range

10% - 95% (non-condensing)

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## Parts List

### Standard Parts (Bulk Package)

#### I/O Cables

Part Number	CBL-0044L • <a href="#">eStore</a>
Qty	2
Description	57.5CM SATA FLAT S-S PBF

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#### I/O Shield

Part Number	MCP-260-00042-0N • <a href="#">eStore</a>
Qty	1
Description	STD I/O Shield for X11SRL-F with EMI Gasket

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### Standard Parts (Retail Package)

#### I/O Cables

Part Number	CBL-0044L • <a href="#">eStore</a>
Qty	6

Description 57.5 cm SATA FLAT S-S PBF

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I/O Shield

Part Number MCP-260-00042-0N • [eStore](#)

Qty 1

Description STD I/O Shield for X11SRL-F with EMI Gasket

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QRG

Part Number MNL-2176-QRG

Qty 1

Description Motherboard Quick Reference Guide

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