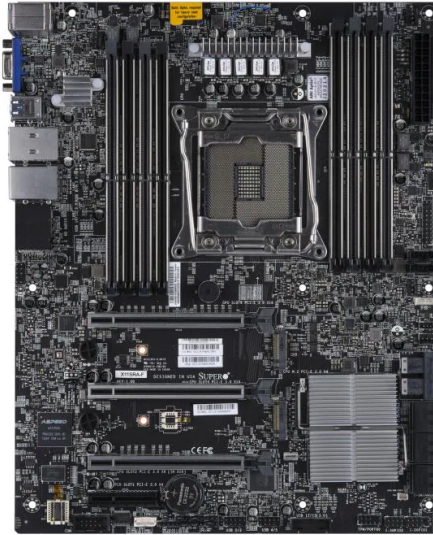


# X11SRA-RF

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## Workstation

### 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 Registered ECC RDIMM, DDR4-2666MHz; Up to 1TB Registered ECC LRDIMM, DDR4-2666MHz, in 8 DIMM slots(DDR4-2933MHz: RDIMM Max. Memory Capacity 256GB Registered ECC, LRDIMM Max. Memory Capacity 512GB Registered ECC)

3 PCIe 3.0 x16 (8/16/16, 48 lanes) 1 PCIe 3.0 x4 **M.2 Interface:** 2 PCIe 3.0 x4 **M.2 Form Factor:** 2280/22110 **M.2 Key:** M-Key (RAID 0, 1) \*M-Key for SSD and Optane (up to Intel POR). Intel VROC Hardware License Key is needed to enable RAID function. U.2 Interface: 2 PCIe 3.0 x4

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

\*iRST enabled, only SATA2 to SATA5 support RAID.

Single LAN with Intel® Ethernet Controller I210-AT

Single LAN with Aquantia 5G LAN chip AQC108

1 VGA port,

\*\*\*VGA Port is default set to support IPMI

### Specifications

## Product SKUs

### MBD-X11SRA-RF

## 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

## System Memory

### Memory Capacity

8 DIMM slots

Up to 1TB ECC LRDIMM, DDR4-2666MHz; Up to 512GB ECC RDIMM, DDR4-2666MHz

### Memory Type

2666/2400/2133/1866/1600 MT/s ECC DDR4 LRDIMM, RDIMM SDRAM 72-bit, 288-pin

### DIMM Sizes

4GB, 8GB, 16GB, 32GB, 64GB, 128GB

### Memory Voltage

1.2V

## On-Board Devices

### Chipset

Intel® C422

### SATA

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

### IPMI

ASPEED AST2500

### Network Controllers

Single LAN with Intel® Ethernet Controller I210-AT

Single LAN with Aquantia 5G LAN chip AQC108

## Input / Output

### USB

6 USB 2.0 port(s) (4 via header; 2 rear)

6 USB 3.2 Gen1 port(s) (2 via header; 4 rear)

2 USB 3.2 Gen2 port(s) (2 type A)

### Video Output

1 VGA port(s)

### Serial Port

1 COM Port(s) (1 header)

### TPM

1 TPM Header

## Expansion Slots

### PCIe

3 PCIe 3.0 x16,

1 PCIe 3.0 x4

\*\*\*3xPCIe3.0 x16 Slots(8/16/16 (Skylake-W 48 lanes)), 1xPCIe3.0x4 slots\*\*\*

### M.2

M.2 Interface: 2 PCIe 3.0 x4, RAID 0,1

Form Factor: 2280/22110

Key: M-Key

## System BIOS

### BIOS Type

256MB UEFI

## Management

### Software

SuperDoctor® 5, [IPMI2.0](#), Watchdog

## PC Health Monitoring

### Voltage

VBAT, System temperature, Monitors CPU voltages, Chassis intrusion header, 3.3V standby, 1.2V (VDIMM), 1.05 (PCH), +5V standby, +5V, +3.3V, +12V, +1.8V, Monitors for CPU Cores, 5 (4-pin)

### LED

CPU / System Overheat LED

### Temperature

Monitoring for CPU and chassis environment

CPU thermal trip support

Support to monitor Supermicro AOC temperatures from IPMI or SD 5

PECI

### FAN

5x 4-pin fan headers (up to 5 fans)

PWM fan speed control

Fan speed control

Overheat LED indication

### Other Features

WOL, RoHS, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, Voltage and Frequency Overclocking, Intel Smart Response Technology

## Operating Environment

### Operating Temperature Range

0°C - 50°C (32°F - 122°F)

### Non-Operating Temperature Range

-20°C - 60°C (-4°F - 140°F)

### Operating Relative Humidity Range

10% - 85% (non-condensing)

### Non Operating Relative Humidity Range

10% - 95% (non-condensing)

## Parts List

### Standard Parts (Bulk Package)

#### IO shield

Part Number MCP-260-00118-0N

Qty 1

Description X11SRA series IO shield

#### SATA cable

Part Number CBL-0044L • [eStore](#)

Qty 2

Description SATA cable

**Standard Parts (Retail Package)****Giftbox**

Part Number Box-0121

Qty 1

Description Giftbox

**Giftbox foam**

Part Number BOX-019

Qty 1

Description Giftbox foam

**IO shield**

Part Number MCP-260-00118-0N

Qty 1

Description X11SRA series IO shield

**Quick Reference Guide**

Part Number MNL-2005-QRG

Qty 1

Description X11SRA series Quick  
Reference Guide**SATA cable**Part Number CBL-0044L • [eStore](#)

Qty 6

Description SATA cable

**Optional Parts****TPM security module (optional, not included)**

Part Number	<a href="#">AOM-TPM-9671H-S</a>	<a href="#">AOM-TPM-9670H-S</a>	AOM-TPM-9670H	AOM-TPM-9671H	AOM-TPM-9670V
	AOM-TPM-9671V	<a href="#">AOM-TPM-9670V-S</a>	<a href="#">AOM-TPM-9671V-S</a>		
Qty	1	1	1	1	1
	1	1	1		
Description	-	-	-	-	-
	-	-	-		