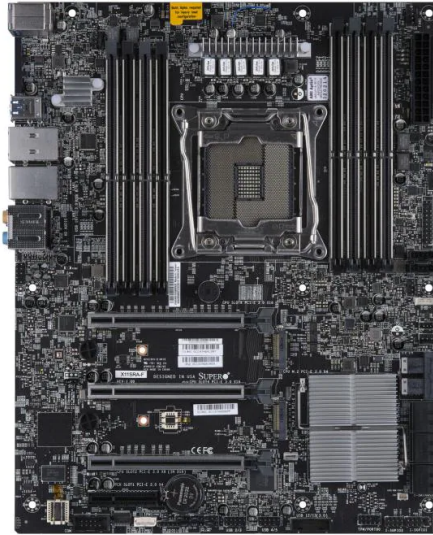


# X11SRA

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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® PHY I219LM LAN controller

Single LAN with Aquantia 5G LAN chip AQ108

### Optimized Servers

[SYS-5039A-I](#)

### Specifications

**Product SKUs****MBD-X11SRA****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

As Intel® Xeon® Processor W Family

**System Memory****Memory Capacity**

8 DIMM slots

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

(DDR4-2933MHz: RDIMM Max. Memory Capacity 256GB Registered ECC, LRDIMM Max. Memory Capacity 512GB Registered ECC)

**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

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

**Audio**

ALC 1220 7.1 HD Audio

**Network Controllers**

Single LAN with Intel® PHY I219LM LAN controller

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)

**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

\*M-Key for SSD and Optane(up to Intel POR). Intel VROC Hardware license Key is needed to enable RAID function.

**System BIOS****BIOS Type**

256MB UEFI

**Management****Software**

SuperDoctor® 5, AMT, 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>	AOM-TPM-9671V
Qty	1	1
Description	-	-

### TPM security module (optional, not included)

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