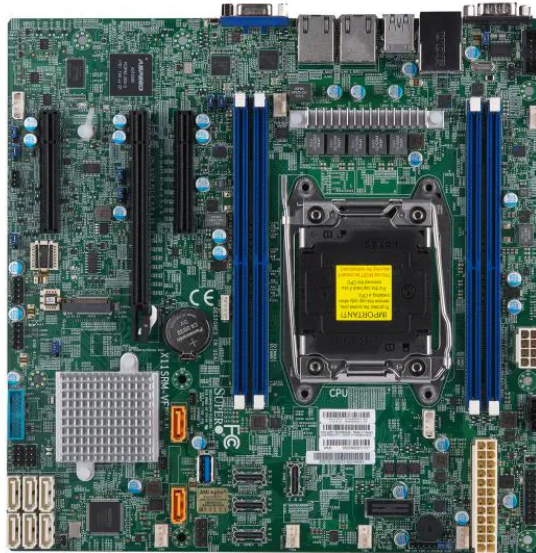


X11SRM-VF



VROC support

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. Intel® VROC

4. Up to 256GB ECC RDIMM, DDR4-2933MHz; Up to 512GB ECC LRDIMM, DDR4-2933MHz, in 4 DIMM slots

5. 1 PCI-E 3.0 x16,
2 PCI-E 3.0 x8,
4 PCI-E 3.0 NVMe x4 Internal Port(s)
M.2 Interface: 1 PCI-E 3.0 x4
M.2 Form Factor: 2280
M.2 Key: M-Key
Double Height Connector

6. Dual LAN with Intel® i210 Gigabit Ethernet Controller

Specifications

Product SKUs

MBD-X11SRM-VF	<ul style="list-style-type: none"> X11SRM-VF
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Physical Stats

Form Factor	<ul style="list-style-type: none"> microATX
Dimension	<ul style="list-style-type: none"> 9.6" x 9.6" (24.38cm x 24.38cm)

Processor

CPU	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Up to 18 cores, 36 threads
Note	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 4 DIMM slots Up to 512GB ECC LRDIMM, DDR4-2933MHz; Up to 256GB ECC RDIMM, DDR4-2933MHz
Memory Type	<ul style="list-style-type: none"> 2933/2666/2400/2133MHz ECC DDR4 LRDIMM, RDIMM
DIMM Sizes	<ul style="list-style-type: none"> 4GB, 8GB, 16GB, 32GB, 64GB, 128GB
Memory Voltage	<ul style="list-style-type: none"> 1.2V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C422
SATA	<ul style="list-style-type: none"> Intel® C422 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	<ul style="list-style-type: none"> ASPEED AST2500
Graphics	<ul style="list-style-type: none"> ASPEED AST2500 BMC
Network Controllers	<ul style="list-style-type: none"> Dual LAN with Intel® i210 Gigabit Ethernet Controller

Input / Output

SATA	<ul style="list-style-type: none"> 8 SATA3 (6Gbps) port(s)
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports

Expansion Slots

PCI-E	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16, 2 PCI-E 3.0 x8
M.2	<ul style="list-style-type: none"> M.2 Interface: 1 PCI-E 3.0 x4 Form Factor: 2280 Key: M-Key

System BIOS

BIOS Type	<ul style="list-style-type: none"> AMI UEFI
BIOS Features	<ul style="list-style-type: none"> ACPI 6.0 SMBIOS 3.0 or later Plug and Play (PnP)

Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, <u>SUM</u>, KVM with dedicated LAN, <u>IPMI2.0</u>, Watchdog
Power Configurations	<ul style="list-style-type: none"> Power-on mode for AC power recovery, ACPI Power Management, CPU thermal trip support for processor protection

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> VBAT, System temperature, Monitors CPU voltages, HT, Chassis intrusion header, 6 -fan status, 3.3V standby, +5V standby, +5V, +3.3V, +12V, +1.8V
LED	<ul style="list-style-type: none"> UID/Remote UID Suspend static indicator LED CPU / System Overheat LED
Temperature	<ul style="list-style-type: none"> CPU thermal trip support PECI Thermal Control for 6 Fan Connectors
FAN	<ul style="list-style-type: none"> 6x 4-pin fan headers (up to 6 fans) System level control PWM fan speed control Fan speed control Overheat LED indication
Other Features	<ul style="list-style-type: none"> UID, RoHS, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management

Operating Environment

Operating Temperature Range	<ul style="list-style-type: none"> 0°C - 50°C (32°F - 122°F)
Non-Operating Temperature Range	<ul style="list-style-type: none"> -40°C - 70°C (-40°F - 158°F)

USB	<ul style="list-style-type: none">▪ 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	<ul style="list-style-type: none">▪ 1 VGA port(s)
Serial Port	<ul style="list-style-type: none">▪ 2 COM Port(s) (1 header; 1 rear)
DOM	<ul style="list-style-type: none">▪ 2 SATA DOM (Disk on Module) power connector support
TPM	<ul style="list-style-type: none">▪ 1 TPM Header

Operating Relative Humidity Range	<ul style="list-style-type: none">▪ 10% - 85% (non-condensing)
Non Operating Relative Humidity Range	<ul style="list-style-type: none">▪ 10% - 95% (non-condensing)

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SRM-VF	1	X11SRM-VF Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • <i>eStore</i>	1	STD I/O Shield for X11SRM-VF with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SRM-VF	1	X11SRM-VF Motherboard
I/O Cables	CBL-0044L • <i>eStore</i>	6	57.5 cm SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • <i>eStore</i>	1	STD I/O Shield for X11SRM-VF with EMI Gasket
QRG	MNL-1967-QRG	1	Motherboard Quick Reference Guide

Chassis (Optimized for X11SRM-VF)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
				SC731i-300B SC732D4-500B SC732I-500B SC733TQ-668B	SC842TQC-668B

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

