

Key Features

1. Intel® Xeon® W-2100 Processors, Intel® Xeon® W-2200 Processors., Single Socket LGA-2066 (Socket R4) supported, CPU TDP support Up to 165W TDP
2. Intel® C422
3. Up to 256GB ECC RDIMM, DDR4-2933MHz; Up to 512GB ECC LRDIMM, DDR4-2933MHz, in 4 DIMM slots
4. 1 PCI-E 3.0 x16,
2 PCI-E 3.0 x8
M.2 Interface: 1 PCI-E 3.0 x4
M.2 Form Factor: 2280
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
7. Intel® VROC

Links & Resources

[Tested Memory List](#)

[Tested HDD / SSD List](#)

[Tested M.2 List](#)

[Tested AOC List](#)

[Motherboard Manual](#)

[Quick Reference Guide](#)

[Update Your BIOS](#)

[BMC/IPMI Firmware](#)

[Download the Latest Drivers and Utilities](#)

[Download Driver CD](#)

[OS Compatibility](#)

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Specifications

Product SKUs

MBD-X11SRM-F	■ X11SRM-F
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Physical Stats

Form Factor	■ microATX
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Dimensions	■ 9.6" x 9.6" (24.38cm x 24.38cm)
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Processor/Cache

CPU	■ Intel® Xeon® W-2100 Processors, Intel® Xeon® W-2200 Processors. ■ Single Socket LGA-2066 (Socket R4) supported, CPU TDP support Up to 165W TDP
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Cores / Cache	■ 18 cores, 36 threads
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Note	■ W-2200 CPU is supported on the motherboards with BIOS 2.0 or newer upon receiving from Supermicro
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Note	■ To support 165W W-2200 CPUs, BIOS 2.0 & VRM update by Supermicro are required
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System Memory

Memory Capacity	■ Up to 256GB ECC RDIMM, DDR4-2933MHz; Up to 512GB ECC LRDIMM, DDR4-2933MHz, in 4 DIMM slots
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Memory Type	■ 2933/2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM
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DIMM Sizes	■ 4GB, 8GB, 16GB, 32GB, 64GB, 128GB
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Memory Voltage	■ 1.2V
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Error Detection	■ Corrects single-bit errors
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On-Board Devices

Chipset	■ Intel® C422
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SATA	■ Intel® C422 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
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IPMI	■ ASPEED AST2500
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Network Controllers	■ Dual LAN with Intel® i210 Gigabit Ethernet Controller
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Graphics	■ Aspeed AST2500 BMC
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Input / Output

SATA	■ 8 SATA3 (6Gbps) ports
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LAN	■ 2 RJ45 Gigabit Ethernet LAN ports
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USB	■ 6 USB 2.0 ports (2 rear + 4 via headers) ■ 5 USB 3.0 ports (2 rear + 2 via headers + 1 Type A)
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Video Output	■ 1 VGA port
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Serial Port / Header	■ 2 COM Ports (1 rear, 1 header)
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TPM	■ TPM Header
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Expansion Slots

PCI-E	■ 1 PCI-E 3.0 x16, ■ 2 PCI-E 3.0 x8
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M.2	■ M.2 Interface: 1 PCI-E 3.0 x4 ■ Form Factor: 2280 ■ Key: M-Key ■ Double Height Connector
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System BIOS

BIOS Type	■ AMI UEFI
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BIOS Features	■ ACPI 6.0 ■ SMBIOS 3.0 or later ■ Plug and Play (PnP)
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Management

Software	■ IPMI2.0, KVM with dedicated LAN, SUM, SuperDoctor® 5, Watchdog
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Power Configurations	■ ACPI Power Management ■ CPU thermal trip support for processor protection ■ Power-on mode for AC power recovery
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PC Health Monitoring

Voltage	■ +1.8V, +12V, +3.3V, +5V, +5V standby, 3.3V standby, 6 -fan status, Chassis intrusion header, HT, Monitors CPU voltages, System temperature, VBAT
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FAN	■ 6x 4-pin fan headers (up to 6 fans), Fan speed control, Overheat LED indication, PWM fan speed control, System level control
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Temperature	■ PECI, CPU thermal trip support, Thermal Control for 6 Fan Connectors
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LED	■ CPU / System Overheat LED, UID/Remote UID, Suspend static indicator LED
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Other Features	■ ACPI power management, ATX Power connector, Chassis intrusion detection, Chassis intrusion header, RoHS, UID
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Operating Environment

Operating Temperature Range	■ 0°C ~ 50°C (32°F ~ 122°F)
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Non-Operating Temperature Range	■ -20°C ~ 60°C (-4°F ~ 140°F)
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Operating Relative Humidity Range	■ 10% ~ 85% (non-condensing)
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Non-Operating Relative Humidity Range	■ 10% ~ 95% (non-condensing)
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Parts List

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

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

Chassis (Optimized for X11SRM-F)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	<u>SC515-R40Z</u> <u>SC514-R40ZC</u> <u>SC813MFTQC-R40ZCB</u> 1U Heatsink:SNK-P0047PS				

 = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU