

X11SRi-IF



High Performance

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. 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 (in x16) slot
5. 2 PCI-E 3.0 NVMe x4 Internal Port(s), 1 in hybrid mode (NVMe/4x SATA)
6. Dual LAN with Intel® i210 Gigabit Ethernet Controller
7. Intel® C422 controller for 4 SATA3 (6 Gbps) ports (via onboard OCuLink); RAID 0,1,5,10
8. Supports 12V DC power input

Specifications

Product SKUs

MBD-X11SRi-IF ■ X11SRi-IF

Physical Stats

Form Factor ■ Mini-ITX

Dimension ■ 6.75" x 6.75" (17.15cm x 17.15cm)

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

System Memory

Memory Capacity ■ 4 DIMM slots
■ Up to 512GB ECC LRDIMM, DDR4-2933MHz; Up to 256GB 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

On-Board Devices

Chipset ■ Intel® C422

SATA ■ Intel® C422 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI ■ ASPEED AST2500

Graphics ■ ASPEED AST2500 BMC

Network Controllers ■ Dual LAN with Intel® i210 Gigabit Ethernet Controller

Input / Output

SATA ■ 4 SATA3 (6Gbps) port(s)

LAN ■ 2 RJ45 Gigabit Ethernet LAN ports

USB ■ 2 USB 3.0 port(s) (2 rear)

Video Output ■ 1 VGA port(s)

Serial Port ■ 1 COM Port(s) (1 header)

TPM ■ 1 TPM Header

Expansion Slots

PCI-E ■ 1 PCI-E 3.0 x16

System BIOS

BIOS Type ■ AMI UEFI

BIOS Features ■ ACPI 6.2
■ SMBIOS 3.0 or later
■ UEFI 2.7

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

PC Health Monitoring

Voltage ■ VBAT, System temperature, Monitors CPU voltages, HT, Chassis intrusion header, 3.3V standby, 3-fan status, +5V standby, +5V, +3.3V, +12V, +1.8V

LED ■ UID/Remote UID
■ Suspend static indicator LED
■ CPU / System Overheat LED

Temperature ■ Thermal Control for 3 Fan Connectors
■ CPU thermal trip support
■ PECI

FAN ■ 3x 4-pin fan headers (up to 3 fans)
■ System level control
■ PWM fan speed control
■ Fan speed control
■ Overheat LED indication

Other Features ■ UID, RoHS, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, 8-pin 12v DC power connector

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

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SRi-IF	1	X11SRi-IF Motherboard
I/O Cables	CBL-SAST-0933 • eStore	1	OcuLink v 1.0 to 4x SATA 7-pin,INT, 50CM,32AWG,RoHS
I/O Shield	MCP-260-00146-0N	1	STD I/O Shield for X11SRi-IF with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SRi-IF	1	X11SRi-IF Motherboard
I/O Cables	CBL-SAST-0933 • eStore	1	OcuLink v 1.0 to 4x SATA 7-pin,INT, 50CM,32AWG,RoHS
I/O Shield	MCP-260-00146-0N	1	STD I/O Shield for X11SRi-IF with EMI Gasket
QRG	MNL-2201-QRG	1	Motherboard Quick Reference Guide

