



X11SCL-IF

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Key Features

1. Single socket H4 (LGA 1151) supports Intel® Xeon® processor E-2100, Intel® 8th Gen. Core™ i3 series, Intel® Celeron® and Intel® Pentium®
2. Intel® C242 chipset
3. Up to 64GB DDR4 2666MHz ECC UDIMM; 2 DIMM slots
4. Dual GbE LAN with Intel® i210-AT
5. 4 SATA3 (6Gbps); RAID 0, 1, 5, 10
6. M.2 NGFF connector
7. M.2 Interface: 1 PCI-E 3.0 x4
Form Factor: 2280
Key: M-Key
Double Height Connector

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](#)

Specifications

Product SKUs

- MBD-X11SCL-IF** • X11SCL-IF

Physical Stats

- Form Factor** • Mini-ITX
Dimensions • 6.7" x 6.7" (17.02cm x 17.02cm)

Processor/Cache

- CPU**
- 8th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® Processor E-2100 series.
 - Single Socket LGA 1151 supported, CPU TDP support Up to 95W TDP

- Cores / Cache** • 6 cores, 12 threads

System Memory

- Memory Capacity** • Up to 64GB Unbuffered ECC UDIMM, DDR4-2666MHz, in 2 DIMM slots
- Memory Type** • 2667/2400/2133MHz ECC DDR4 SDRAM 72-bit
- DIMM Sizes** • 4GB, 8GB, 16GB, 32GB

Expansion Slots

- PCI-E** • 1 PCI-E 3.0 x16 (in x16 slot)
- M.2**
- M.2 Interface: 1 PCI-E 3.0 x4
 - Form Factor: 2280
 - Key: M-Key
 - Double Height Connector

System BIOS

- BIOS Type** • UEFI 256Mb
- BIOS Features**
- ACPI 6.0
 - SMBIOS 2.7
 - Plug and Play (PnP)
 - RTC (Real Time Clock) Wakeup
 - UEFI 2.7
 - USB Keyboard support
 - PCI 3.0

Management

- Software** • IPMI2.0, KVM with dedicated LAN, SSM, SUM, SuperDoctor® 5, Watchdog
- Power Configurations** • ACPI Power Management
- Power-on mode for AC power recovery

PC Health Monitoring

Memory Voltage	<ul style="list-style-type: none"> 1.2V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors

*Future support for 64GB via a BIOS update expected in early 2019

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C242
SATA	<ul style="list-style-type: none"> Intel® C242 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	<ul style="list-style-type: none"> ASPEED AST2500
Network Controllers	<ul style="list-style-type: none"> Dual LAN with 1GbE with Intel® I210
Graphics	<ul style="list-style-type: none"> Aspeed AST2500 BMC

Input / Output

USB	<ul style="list-style-type: none"> 4 USB 2.0 ports (2 rear + 2 headers) 5 USB 3.1 ports (2 rears (2 Type A + 2 headers)(1 Type A)
Video Output	<ul style="list-style-type: none"> 1 VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1 COM Port (1 rear)
TPM	<ul style="list-style-type: none"> 1 TPM Header

Voltage	<ul style="list-style-type: none"> +12V, +3.3V, +5V, +5V standby, 4 -fan status, Chassis intrusion header, Chipset Voltage, Memory Voltages, Monitors CPU voltages, Supports system management utility, System level control, VBAT
FAN	<ul style="list-style-type: none"> 4x 4-pin fan headers (up to 4 fans), 4 fans with tachometer monitoring, Overheat LED indication, PWM fan speed control, Thermal control tachometer fan connectors
Temperature	<ul style="list-style-type: none"> Thermal Monitor 2 (TM2) support, CPU thermal trip support, PECCI, Monitoring for CPU and chassis environment
LED	<ul style="list-style-type: none"> CPU / System Overheat LED, UID/Remote UID
Other Features	<ul style="list-style-type: none"> ACPI power management, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Dual Cooling Zones, M.2 NGFF connector, UID, WOL

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)
Operating Relative Humidity Range	<ul style="list-style-type: none"> 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	<ul style="list-style-type: none"> 5% - 95% (non-condensing)

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List

Parts List (Bulk Package)

Name	Part Number	Qty	Description
Motherboard	MBD-X11SCL-IF	1	X11SCL-IF 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 X11SCL-F with EMI Gasket

Parts List (Retail Package)

Name	Part Number	Qty	Description
Motherboard	MBD-X11SCL-IF	1	X11SCL-IF Motherboard
QRG	MNL-2088-QRG	1	Motherboard Quick Reference Guide
I/O Cables	CBL-0044L	4	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N	1	STD I/O Shield for X11SSL-F with EMI Gasket