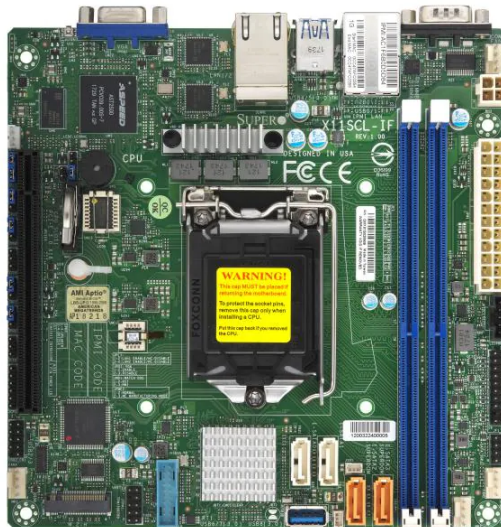


X11SCL-iF



Key Features

8th/9th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor, Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP

Intel® C242 chipset

Up to 64GB DDR4 2666MHz ECC UDIMM; 2 DIMM slots

M.2 Interface: 1 SATA/PCIe 3.0 x4

Form Factor: 2280

Key: M-Key

Double Height Connector

Dual GbE LAN with Intel® i210-AT

M.2 NGFF connector

4 SATA3 (6Gbps); RAID 0, 1, 5, 10

Support up to 6 Cores

Optimized Servers

[SYS-5019C-FL](#)

[SYS-5019C-L](#)

[SYS-5029C-T](#)

Specifications

Product SKUs**MBD-X11SCL-iF****Physical Stats****Form Factor**

Mini-ITX

Dimension

6.7" x 6.7" (17.02cm x 17.02cm)

Processor**CPU**

8th/9th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor

Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP

Core

Up to 6 cores, 12 threads

Note

BIOS version 1.0b or above is required to support Intel® Xeon® E-2200 and 9th Generation Intel® Core™ i3/Pentium®/Celeron® Processors

System Memory**Memory Capacity**

2 DIMM slots

Up to 64GB Unbuffered ECC UDIMM, DDR4-2666MHz

Memory Type

2667/2400/2133 MT/s SDRAM 72-bit,

DIMM Sizes

4GB, 8GB, 16GB, 32GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

On-Board Devices**Chipset**

Intel® C242

SATA

Intel® C242 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI

ASPEED AST2500

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

Dual LAN with 1GbE with Intel® I210

Input / Output**USB**

4 USB 2.0 port(s) (2 rear; 2 via header)

7 USB 3.2 Gen2 port(s) (2 via header; 2 rear type A; 2 rear; 1 type A)

Video Output

1 VGA port(s)

Serial Port

1 COM Port(s) (1 rear)

DOM2 SATA DOM (Disk on Module) power connector support**TPM**

1 TPM Header

Expansion Slots**PCIe**

1 PCIe 3.0 x16 (in x16 slot)

M.2

M.2 Interface: 1 SATA/PCIe 3.0 x4

Form Factor: 2280

Key: M-Key

System BIOS**BIOS Type**

256MB UEFI

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**SuperDoctor® 5, SUM, KVM with dedicated LAN, SSM, IPMI2.0, Watchdog**Power Configurations**

Power-on mode for AC power recovery, ACPI Power Management

PC Health Monitoring**Voltage**

VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 4 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages

LED

UID/Remote UID

CPU / System Overheat LED

Temperature

Monitoring for CPU and chassis environment

CPU thermal trip support

Thermal Monitor 2 (TM2) support

PECI

FAN

4x 4-pin fan headers (up to 4 fans)

Thermal control tachometer fan connectors

PWM fan speed control

4 fans with tachometer monitoring

Overheat LED indication

Other Features

WOL, UID, M.2 NGFF connector, Dual Cooling Zones, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ACPI power management

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

8% - 90% (non-condensing)

Non Operating Relative Humidity Range

5% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

I/O Cables

Part Number CBL-0044L • [eStore](#)

Qty 2

Description 57.5CM SATA FLAT S-S PBF

I/O Shield

Part Number MCP-260-00042-0N •

[eStore](#)

Qty 1

Description STD I/O Shield for X11SCL-F with EMI Gasket

Standard Parts (Retail Package)

I/O Cables

Part Number CBL-0044L • [eStore](#)

Qty 4

Description 57.5CM SATA FLAT S-S PBF

I/O Shield

Part Number MCP-260-00042-0N •

[eStore](#)

Qty 1

Description STD I/O Shield for X11SSL-F with EMI Gasket

QRG

Part Number MNL-2088-QRG

Qty 1

Description Motherboard Quick Reference Guide

Optional Parts

TPM security module

Part Number	AOM-TPM-9671H	AOM-TPM-9670H	AOM-TPM-9671V	AOM-TPM-9670V
Qty	1	1	1	1
Description	SPI capable TPM 1.2 with Infineon 9670 controller with horizontal form factor	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor	SPI capable TPM 1.2 with Infineon 9670 controller with vertical form factor	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor
