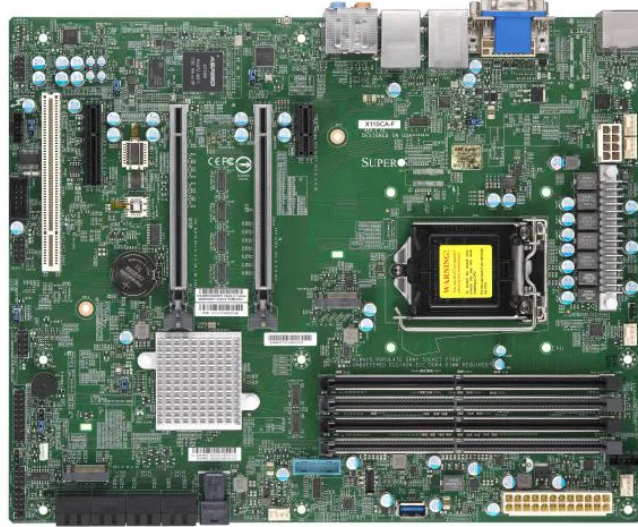


X11SCA-F



Workstation

Key Features

8th/9th Gen Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® Processors, Intel® Xeon® E-2100 Processors, Intel® Xeon® E-2200 Processors, Single LGA-1151 (Socket H4), Up to 95W TDP

Intel® C246

Single LAN with Intel® Ethernet Controller I210-AT

Shared with IPMI

Single LAN with Intel® PHY I219LM LAN controller

Up to 128GB Unbuffered ECC/non-ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots

1 PCIe 3.0 x4,

1 PCIe 3.0 x1,

2 PCIe16 slots are running at NA/16, or 8/8

1 - 5V PCI 32bit

M.2 Interface: 2 PCIe 3.0 x4

M.2 Form Factor: 2242/2260/2280/22110

M.2 Key: M-Key

M.2#1 is shared with PCIe4 slot, M.2#2 is shared with U.2

U.2 Interface: 1 PCIe 3.0 x4

Intel® C246 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

1 HDMI port, 1 DVI - D port, 1 DP (DisplayPort) port, 1 VGA port,

Intel UHD P630 graphic(For Xeon E-21xxG/E-22xxG series only)

Specifications

Product SKUs

MBD-X11SCA-F

Physical Stats

Form Factor

ATX

Dimension

12" x 9.6" (30.48cm x 24.38cm)

Processor

CPU

Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor, 8th/9th Generation Intel® Core™ i9/Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processor

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

System Memory

Memory Capacity

4 DIMM slots

Up to 128GB Unbuffered ECC/non-ECC UDIMM, DDR4-2666MHz

Memory Type

2666/2400/2133/1866/1600 MT/s SDRAM 72-bit, 288-pin

DIMM Sizes

2GB, 4GB, 8GB, 16GB, 32GB

Memory Voltage

1.2V

On-Board Devices

Chipset

Intel® C246

SATA

Intel® C246 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI

ASPEED AST2500

Audio

ALC 888S HD Audio

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

Single LAN with Intel® PHY I219LM LAN controller

Single LAN with Intel® Ethernet Controller I210-AT, Shared with IPMI

Input / Output

LAN

2 1GbE LAN ports

USB

4 USB 3.1 Gen1 port(s) (2 via header; 2 rear type A)

4 USB 3.1 Gen2 port(s) (1 via header; 1 rear type C; 1 type A; 1 rear type A)

2 USB 2.0 port(s) (2 via header)

Video Output

1 VGA port(s), 1 DP (DisplayPort) port(s), 1 HDMI port(s), 1 DVI - D port(s)

Serial Port

1 COM Port(s) (1 header)

DOM

1 SATA DOM (Disk on Module) power connector support

TPM

1 TPM Header

Expansion Slots

PCIe

1 PCIe 3.0 x4,

1 PCIe 3.0 x1,

2 PCIe16 slots are running at NA/16, or 8/8

1 - 5V PCI 32bit

M.2

M.2 Interface: 2 PCIe 3.0 x4

Form Factor: 2242/2260/2280/22110

Key: M-Key

System BIOS

BIOS Type

128MB UEFI

Management

Software

SuperDoctor® 5, SUM, SSM, IPMI2.0, Watchdog

System Management Software

SuperDoctor 5, IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support

Power Configurations

Power-on mode for AC power recovery, ACPI Power Management, ATX Power connector, Keyboard Wakeup from Soft-Off

PC Health Monitoring

Voltage

VBAT, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 5 -fan status, +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages

LED

Standby alert LED

FAN

PWM fan speed control

Low noise fan speed control

Fan speed control

5 fans with tachometer status monitoring

Other Features

WOL, RoHS, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, 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

-20°C - 60°C (-4°F - 140°F)

Parts List

Standard Parts (Bulk Package)

IO shield

Part Number MCP-260-00122-0N
Qty 1
Description X11SCA Series IO Shield

M.2 SSD Holder

Part Number MCP-450-00005-0B or
MCP-450-00006-0B
Qty 2
Description M.2 SSD Holder

SATA cable

Part Number CBL-0044L • [eStore](#)
Qty 2
Description SATA3 Cable

Standard Parts (Retail Package)

IO shield

Part Number MCP-260-00122-0N
Qty 1
Description X11SCA Series IO Shield

M.2 SSD Holder

Part Number MCP-450-00005-0B or
MCP-450-00006-0B
Qty 2
Description M.2 SSD Holder

Quick Reference Guide

Part Number MNL-2087-QRG
Qty 1
Description X11SCA Series Quick
Reference Guide

SATA cable

Part Number CBL-0044L • [eStore](#)
Qty 6
Description SATA3 Cable
