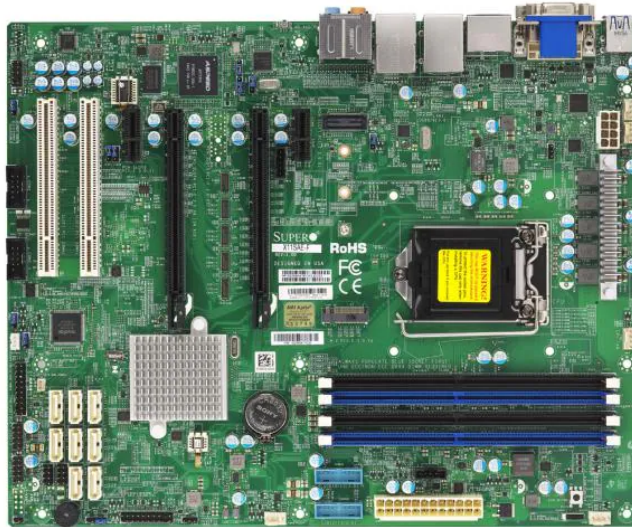


X11SAE-F



Workstation

Key Features

- Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v5/v6, Intel® 6th/7th Gen. Core™ i7/i5/i3 series, Intel® Celeron® and Intel® Pentium®
- Intel® C236 chipset
- Up to 64GB Unbuffered ECC/non-ECC UDIMM DDR4 2400MHz; 4 DIMM slots
- 8 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10 + 1 PCIe M.2 (support PCIe x4 only, 2242/2260/2280)
- 2 PCIe 3.0 x16 (run at 16/NA or 8/8), 2 PCIe 3.0 x1, and 2 5V PCI 32-bit slots
- Single GbE LAN with Intel® i210-AT (Share with IPMI); single GbE LAN with Intel® i219LM
- 6 USB 3.0 (2 rear + 4 via header(s))
- 6 USB 2.0 (2 rear + 4 via header(s))
- 2 USB 3.1 (10Gbps, rear)
- I/O: 1 VGA, 2 COM, TPM header

Specifications

Product SKUs**MBD-X11SAE-F****Physical Stats****Form Factor**

ATX

Dimension

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

Processor**CPU**

Intel® Xeon® processor E3-1200 v6/v5, Intel® 6th/7th Generation Core™ i3 series, Intel® 6th/7th Generation Core™ i5 series, Intel® 6th/7th Generation Core™ i7 series

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

System Memory**Memory Capacity**

4 DIMM slots

Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2400MHz

Memory Type

2400/2133/1866/1600 MT/s SDRAM 72-bit, 288-pin gold-plated DIMMs

DIMM Sizes

4GB, 8GB, 16GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

Detects double-bit errors (using ECC memory)

On-Board Devices**Chipset**

Intel® C236

SATA

Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Audio

ALC 888S HD Audio

Graphics

1 ASPEED AST2400 BMC port(s)

Network Controllers

Single LAN with Intel® PHY I219LM LAN controller

Single LAN with Intel® Ethernet Controller I210-AT, (Share with IPMI)

Input / Output**USB**

8 USB 2.0 port(s) (6 via header; 2 rear Type A)

6 USB 3.2 Gen 1x1 port(s) (2 rear Type A; 4 via header)

2 USB 3.2 Gen 2x1 port(s) (2 rear Type A)

Video Output

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

Serial Port

2 COM Port(s) (2 header)

TPM

1 TPM Header

Expansion Slots**PCIe**

2 PCIe 3.0 x16,

2 PCIe 3.0 x12 PCI

2 - 5V PCI 32bit

***2 PCIe x16 slots are running at x16/NA or x8/x8 ***

M.2

M.2 Interface: 1 PCIe 3.0 x4

Form Factor: 2242/2260/2280

Key: M-Key

System BIOS**BIOS Type**

AMI UEFI

BIOS Features

Plug and Play (PnP)

DMI 2.3

PCI 3.0

ACPI 5.0

USB Keyboard support

Hardware BIOS Virus protection

SMBIOS 3.0

UEFI 2.3.1

RTC (Real Time Clock) Wakeup

Management**Software**SuperDoctor® 5, [SPM](#), [IPMI2.0](#), Watchdog**Power Configurations**

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

Keyboard Wakeup from Soft-Off, CPU Fan auto-off in sleep mode

PC Health Monitoring**Voltage**

VBAT, Monitors CPU voltages, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V

LED

UID/Remote UID

Suspend static indicator LED

CPU / System Overheat LED

Temperature

CPU thermal trip support

Thermal Monitor 2 (TM2) support

PECI

I2C temperature sensing logic

FAN

5x 4-pin fan headers (up to 5 fans)

Fan speed control

Overheat LED indication

Other Features

WOL, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, ATX Power connector, ACPI power management, 8-pin 12v DC power connector, Intel Smart Response Technology

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-260-00063-1N •

[eStore](#)

Qty 1

Description X11SAE-F I/O Shield

SATA cablePart Number CBL-0044L • [eStore](#)

Qty 2

Description 57.5CM SATA FLAT S-S PBF

Standard Parts (Retail Package)**IO shield**

Part Number MCP-260-00063-1N •

[eStore](#)

Qty 1

Description X11SAE-F I/O Shield

Quick Reference Guide

Part Number MNL-1820-QRG

Qty 1

Description X11SAE-F Quick Reference Guide

SATA cablePart Number CBL-0044L • [eStore](#)

Qty 6

Description 57.5CM SATA FLAT S-S PBF

Optional Parts**TPM security module (optional, not included)**

Part Number	AOM-TPM-9665H-C	AOM-TPM-9665H	AOM-TPM-9665H-FC	AOM-TPM-9655H-C	AOM-TPM-9655H
	AOM-TPM-9665V-C	AOM-TPM-9665V	AOM-TPM-9665V-FC	AOM-TPM-9655V-C	AOM-TPM-9655V
Qty	1	1	1	1	1
	1	1	1	1	1
Description	-	-	-	-	-
	-	-	-	-	-
