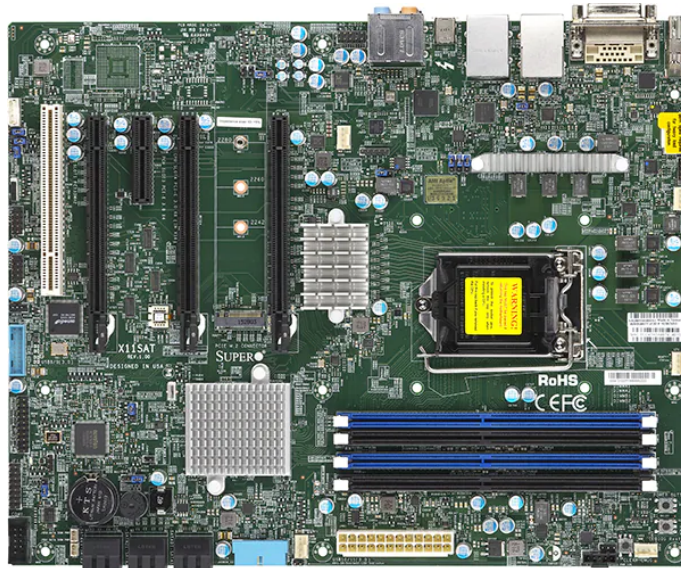


X11SAT



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
- 3 PCIe 3.0 x16 (run at 16/NA/16 or 16/8/8), 1 PCIe 3.0 x1 (in x4), and 1 5V PCI 32-bit slots
- 6 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10
- M.2 NGFF connector
- Single GbE LAN with Intel® i210-AT,
- Single GbE LAN with Intel® i219LM
- 6 USB 3.0 (2 rear + 4 via header(s)) ,
- 4 USB 2.0 (2 rear + 2 via header(s)),
- 1 USB 3.1 (10Gbps) Type C ports (rear, share with Thunderbolt and display port)
- I/O: 1 COM, TPM header

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for replacement SKUs.

MBD-X11SAT

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

Audio

ALC 888S HD Audio

Network Controllers

Single LAN with Intel® Ethernet Controller I210-AT, + Single Intel Ethernet PHY i219LM

Input / Output

USB

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

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

1 USB 3.1 Gen2 port(s) (1 rear type C)

Video Output

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

Serial Port

1 COM Port(s) (1 header)

TPM

1 TPM Header

Expansion Slots

PCIe

3 PCIe 3.0 x16,

1 PCIe 3.0 x1

1 - 5V PCI 32bit

3 PCIe x16 slots are running at 16/NA/16 or 16/8/8. **PCIe x1 is in x4 slot***

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, AMT, vPro, 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, 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-260-00097-0N • [eStore](#)

Qty 1

Description X11SAT I/O Shield

SATA cable

Part Number CBL-0044L • [eStore](#)

Qty 2

Description 57.5CM SATA FLAT S-S PBF

Standard Parts (Retail Package)

IO shield

Part Number MCP-260-00097-0N • [eStore](#)

Qty 1

Description X11SAT I/O Shield

Quick Reference Guide

Part Number MNL-1823-QRG

Qty 1

Description X11SAT Quick Reference Guide

SATA cable

Part 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	-	-	-	-	-
	-	-	-	-	-
