

X11SSE-F (For SuperServer Only)



MicroCloud

Key Features

- Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i3 series, Intel® Celeron® and Intel® Pentium®
- Intel® C236 chipset
- Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
- Expansion slots: 1 PCIe 3.0 x8 (micro low-profile)
- 4 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10
- 1 SuperDOM with built-in power
- I/O: 1 VGA, 1 COM, TPM header, 2 NVMeExpress internal ports
- 1 USB 3.0 (Type A), 2 USB 2.0 (rear)

Optimized Servers

[SYS-5039MS-H12TRF](#)

Specifications

Product SKUs

MBD-X11SSE-F

Physical Stats

Form Factor

Proprietary

Dimension

4.6" x 11.7" (11.68cm x 29.72cm)

Processor

CPU

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

Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 80W TDP

System Memory

Memory Capacity

4 DIMM slots

64GB Unbuffered ECC UDIMM, DDR4-2400MHz

Memory Type

2400/2133/1866 MT/s SDRAM 72/64-bit, 288-pin gold-plated DIMMs 2133/1866/1600MHz 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 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Graphics

1 ASPEED AST2400 BMC port(s)

Network Controllers

N/A

Input / Output

USB

2 USB 2.0 port(s) (2 rear)

1 USB 3.2 Gen1 port(s) (1 type A)

Video Output

1 VGA port(s)

Serial Port

1 fast UART 16550 Serial

TPM

1 TPM Header

Expansion Slots

PCIe

1 PCIe 3.0 x8 (Micro Low Profile)

System BIOS

BIOS Type

128MB UEFI

BIOS Features

ACPI 1.0 / 2.0 / 3.0 / 4.0

APM 1.2

DMI 2.3

Hardware BIOS Virus protection

PCI 2.3

Plug and Play (PnP)

RTC (Real Time Clock) Wakeup

SMBIOS 2.7.1

UEFI 2.3.1

USB Keyboard support

Management

Software

SuperDoctor® 5, [IPMI2.0](#), Watchdog

Power Configurations

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

PC Health Monitoring

Voltage

+5V standby, +5V, +3.3V, +12V

LED

UID/Remote UID

Suspend static indicator LED

CPU / System Overheat LED

Temperature

Monitoring for CPU and chassis environment

CPU thermal trip support

Thermal Monitor 2 (TM2) support

PECI

I2C temperature sensing logic

FAN

System level control

Other Features

RoHS

Parts List