

X11SSD-F (For SuperServer Only)



MicroCloud

Key Features

Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v5/v6 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) or 1 PCIe 3.0 x4 (in x8)

4 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10

I/O: 1 VGA, 1 COM, TPM header

1 SuperDOM with built-in power

1 Dedicated IPMI LAN port

3 USB 3.0 (2 via header, 1 Type A)

Optimized Servers

[SYS-5039MS-H8TRF](#)

Specifications

Product SKUs

MBD-X11SSD-F

Physical Stats

Form Factor

Proprietary

Dimension

4.75" x 16" (12.07cm x 40.64cm)

Processor

CPU

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

Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 145W TDP

System Memory

Memory Capacity

4 DIMM slots

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

Memory Type

2400/2133/1866 MT/s SDRAM 72/64-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

3 USB 3.2 Gen1 port(s) (2 via header; 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) Or 1 PCIe 3.0 x4 (in x8 slot)

System BIOS

BIOS Type

128MB UEFI

BIOS Features

Plug and Play (PnP)

APM 1.2

DMI 2.3

PCI 2.3

ACPI 1.0 / 2.0 / 3.0 / 4.0

USB Keyboard support

Hardware BIOS Virus protection

SMBIOS 2.7.1

UEFI 2.3.1

RTC (Real Time Clock) Wakeup

Management

Software

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

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