

## X11SSD-F (For SuperServer Only)

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### MicroCloud

#### Key Features

1. 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®
2. Intel® C236 chipset
3. Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
4. Expansion slots: 1 PCI-E 3.0 x8 (micro low-profile) or 1 PCI-E 3.0 x4 (in x8)
5. 4 SATA3 (6Gbps) via C236; RAID 0, 1, 5, 10
6. I/O: 1 VGA, 1 COM, TPM header
7. 1 SuperDOM with built-in power
8. 1 Dedicated IPMI LAN port
9. 3 USB 3.0 (2 via header, 1 Type A)

# Specifications

## Product SKUs

**MBD-X11SSD-F** ■ 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 ECC UDIMM, DDR4-2400MHz

**Memory Type** ■ 2400/2133/1866MHz 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** ■ ASPEED AST2400 BMC

**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

**PCI-E** ■ 1 PCI-E 3.0 x8 (Micro Low Profile)  
Or 1 PCI-E 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

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSD-F	1	X11SSD-F Motherboard

### Server (Optimized for X11SSD-F)

Server Name
<u>SYS-5039MS-H8TRE</u>

