X10SLD-F

MicroCloud

Key Features

Links & Resources

Tested Memory List
Tested HDD / SSD List
Tested AOC List
Motherboard Manual
Quick Reference Guide
Update Your BIOS
BMC/IPMI Firmware
Download the Latest Drivers and Utilities
Download Drivers CD
OS Compatibility
Optimization

1. Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3/v4, 4th gen.

   Core i3, Pentium, Celeron processors

2. Intel® C224 Express PCH

3. Up to 32GB DDR3 ECC 1600MHz VLP-UDIMMs in 4 sockets

4. 4 SATA (6Gbps) w/ RAID 0, 1, 10, 5

5. 1 PCI-E 3.0 x8 in Micro-LP

6. 1 USB 3.0 Type A

7. Integrated IPMI 2.0 with KVM and Dedicated LAN

8. SATA DOM power connector support

9. TPM header

Specifications

Product SKUs

MBD-X10SLD-F	▪ X10SLD-F

Physical Stats

Form Factor	▪ Proprietary
Dimensions	▪ 4.6" x 11.7" (11.68cm x 29.72cm)

Processor/Cache

CPU	▪ Intel® 4th Generation Core™ i3 series, Intel® Celeron®, Intel® Pentium®v, Intel® Xeon® processor E3-1200 v3, Intel® Xeon® Processor E3-1200 v4 series. ▪ Single Socket LGA 1150 supported

System Memory

Memory Capacity	▪ Up to 32GB Unbuffered ECC UDIMM, in 4 DIMM slots ▪ 4x 240-pin DDR3 DIMM sockets
Memory Type	▪ 1600MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 2GB, 4GB, 8GB
Memory Voltage	▪ 1.35V, 1.5V
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	▪ Intel® C224 Express PCH
SATA	▪ 2 SATA3 (6 Gbps) ports; 2 SATA2 (3 Gbps)
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Network Controllers	▪ Single LAN with 1 Realtek RTL8211E PHY (dedicated IPMI)
Graphics	▪ Aspeed AST2400 BMC ▪ via KVM connector

Input / Output

SATA	▪ 2 SATA3 (6Gbps) port ▪ 2 SATA2 (3Gbps) port
LAN	▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 2 USB 2.0 ports (2 rear Type A)) ▪ 3 USB 3.0 ports (2 headers + 1 Type A); USB 2.0 via KVM connector
Video Output	▪ 1 VGA port, ▪ via KVM connector
Serial Port / Header	▪ 1 COM Port (1 rear), via KVM connector
TPM	▪ 1 TPM Header

Expansion Slots

PCI-E	▪ 1 PCI-E 3.0 x8 (Micro Low Profile) ▪ for Dual GbE, 10GbE or IB AOC

System BIOS

BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	▪ ACPI 5.0 ▪ USB Keyboard support ▪ DMI (SMBIOS) 2.7

Management

Software	▪ IPMI (Intelligent Platform Management Interface) v2.0 with KVM support, IPMI2.0, KVM with dedicated LAN, NMI, SuperDoctor® III, Watchdog
System Management Software	▪ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
Power Configurations	▪ ACPI Power Management ▪ Main Switch Override Mechanism ▪ Power-on mode for AC power recovery

PC Health Monitoring

Voltage	▪ +12V, +3.3V, +5V, +5V standby, 5 Phase-switching voltage regulator, Chipset Voltage, HT, Memory, Memory Voltages, Monitors CPU voltages, Monitors for CPU Cores, Supports system management utility, System level control, System temperature, VBAT
FAN	▪ Fan speed control, Low noise fan speed control, Overheat LED indication, Pulse Width Modulated (PWM) fan connectors, PWM fan speed control, Status monitoring for on/off control, Status monitoring for speed control, Support 3-pin fans (w/o speed control), System level control, Thermal control tachometer fan connectors
Temperature	▪ Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI
LED	▪ CPU / System Overheat LED, UID/Remote UID ▪ BMC Heartbeat LED, System Failure LED
Other Features	▪ ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, RoHS, System level control, UID, WOL

Operating Environment

Operating Temperature Range	▪ 0°C ~ 50°C (32°F ~ 122°F)
Non-Operating Temperature Range	▪ -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	▪ 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	▪ 5% - 95% (non-condensing)

Parts List

Parts List (Bulk Package)			
Name	**Part Number**	**Qty**	**Description**
Motherboard	MBD-X10SLD-F	1	X10SLD-F Motherboard

Server (Optimized for X10SLD-F)

Server Name
SYS-5038ML-H8TRF