

X10SLD-HF



MicroCloud Key Features

1. Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3/v4, 4th gen. Core i3, Pentium, Celeron processors

2. Intel® C226 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. 3 USB 3.0 (1 Type-A + 2 via header)

7. Integrated IPMI 2.0 with KVM and Dedicated LAN

8. SATA DOM power connector support

9. TPM header

Links & Resources

- [Tested Memory List](#)
- [Tested HDD / SSD List](#)
- [Tested AOC List](#)
- [Motherboard Manual](#)
- [Quick Reference Guide](#)
- [Update Your BIOS](#)
- [Download the Latest Drivers and Utilities](#)
- [Download Drivers CD](#)
- [OS Compatibility](#)

Specifications

Product SKUs

MBD-X10SLD-HF	■ X10SLD-HF
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Physical Stats

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

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ 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
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System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ Up to 32GB Unbuffered ECC UDIMM, DDR3-1600MHz, in 4 DIMM slots ■ 4 240-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
Error Detection	<ul style="list-style-type: none"> ■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	■ Intel® C226 Express PCH
SATA	■ Intel® C226 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	<ul style="list-style-type: none"> ■ Support for Intelligent Platform Management Interface v2.0 ■ 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	<ul style="list-style-type: none"> ■ Aspeed AST2400 BMC ■ via KVM connector

Input / Output

LAN	■ 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> ■ 2 USB 2.0 ports (2 rear Type A) ■ 3 USB 3.0 ports (2 headers + 1 Type A); 2 USB 2.0 ports vis KVM connector
Video Output	<ul style="list-style-type: none"> ■ 1 VGA port, ■ via KVM connector
Serial Port / Header	<ul style="list-style-type: none"> ■ 1 COM Port (1 rear), via KVM connector ■ 1 fast UART 16550 serial
TPM	■ 1 TPM Header

Expansion Slots

PCI-E	<ul style="list-style-type: none"> ■ 1 PCI-E 3.0 x8 (Micro Low Profile) ■ for Dual GbE, 10GbE or IB AOC
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System BIOS

BIOS Type	■ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> ■ ACPI 5.0 ■ USB Keyboard support ■ ACPI 5.0

Management

Software	<ul style="list-style-type: none"> ■ Intel® Node Manager, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support, IPMI2.0, KVM with dedicated LAN, NMI, SUM, SuperDoctor® 5, Watchdog
Power Configurations	<ul style="list-style-type: none"> ■ ACPI Power Management ■ Main Switch Override Mechanism ■ Power-on mode for AC power recovery ■ Internal/External modem ring-on

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> ■ +12V, +3.3V, +5V, +5V standby, 5 Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V, Chipset Voltage, HT, Memory, Memory Voltages, Monitors CPU voltages, Monitors for CPU Cores, Supports system management utility, System level control, System temperature, VBAT
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FAN	<ul style="list-style-type: none"> ■ 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, System level control, Thermal control tachometer fan connectors
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Temperature	<ul style="list-style-type: none"> ■ Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI
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LED	<ul style="list-style-type: none"> ■ CPU / System Overheat LED, UID/Remote UID ■ BMC Heartbeat LED, System Failure LED
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Other Features	<ul style="list-style-type: none"> ■ Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, RoHS, UID, WOL
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Operating Environment

Operating Temperature Range	■ 0°C ~ 50°C (32°F ~ 122°F)
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Non-Operating Temperature Range ■ -20°C ~ 60°C (-4°F ~ 140°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-HF	1	X10SLD-HF Motherboard

Server (Optimized for X10SLD-HF)

Server Name
