

# X10SLQ

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## Key Features

1. Single socket H3 (LGA 1150) supports Intel® 4th gen. Core i7/i5/i3, Pentium, Celeron processors
2. Intel® Q87 Express Chipset
3. Up to 32GB DDR3 non-ECC 1600MHz UDIMM in 4 sockets
4. Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)
5. 6x SATA 3.0 (6Gb/s)
6. 1x PCI-E 3.0 x16, 1x PCI-E 2.0 x4, 1x PCI-E 2.0 x1, and 1x Mini-PCI-E w/ mSATA support
7. 4x USB 3.0 (2 rear + 2 via header) 8x USB 2.0 (4 rear + 4 via headers)
8. HD Audio 7.1 channel connector by Realtek ALC888S
9. 1x DOM power connector, 1x SPDIF Out Header, 4x COM ports
10. AMT 9.0, vPro
11. UEFI BIOS support



vPro AMT, Embedded Desktop

## Links & Resources

- [Tested Memory List](#)
- [Motherboard Manual](#)
- [Update Your BIOS](#)
- [Download the Latest Drivers and Utilities](#)
- [Download Driver CD](#)
- [OS Compatibility](#)

## Specifications

Product SKUs	
<b>MBD-X10SLQ -B</b>	X10SLQ (Bulk Pack)
Physical Stats	
<b>Form Factor</b>	uATX
<b>Dimensions</b>	9.6" x 9.6", (24.4cm x 24.4 cm)
Processor/Cache	
<b>CPU</b>	<ul style="list-style-type: none"> <li>Intel® 4th Gen Core i7/i5/i3, Pentium, Celeron processors</li> <li>Single Socket H3 (LGA 1150)</li> </ul>
System Memory	
<b>Memory Capacity</b>	<ul style="list-style-type: none"> <li>4x 240-pin DDR3 DIMM sockets</li> <li>Supports up to 32 GB DDR3 non-ECC Un-Buffered memory (UDIMM)</li> </ul>
<b>Memory Type</b>	1600MHz non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
<b>DIMM Sizes</b>	8GB, 4GB, 2GB, 1GB
<b>Memory Voltage</b>	1.5V, 1.35V
On-Board Devices	
<b>Chipset</b>	Intel® Q87 Express Chipset
<b>SATA</b>	SATA3 (6Gbps) w/ RAID 0, 1, 5, 10 via PCH with Intel RST
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Intel® i217LM + Intel® i210AT Controllers</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
<b>Audio</b>	Realtek ALC888S 7.1 High Definition Audio
<b>VGA</b>	Intel HD 4600 Graphics
<b>Super I/O</b>	NCT6776D
Input / Output	
<b>Serial ATA</b>	6x SATA 3.0 ports (6Gbps) including 1x mSATA
<b>LAN</b>	2x RJ45 Gigabit Ethernet LAN ports
<b>USB</b>	<ul style="list-style-type: none"> <li>4x USB 3.0 ports (2 rear, 2 via header)</li> <li>8x USB 2.0 ports (4 rear, 4 via headers)</li> </ul>
<b>Audio</b>	7.1 HD Audio header and rear I/O
<b>Display</b>	1x VGA, 1x HDMI, 1x DVI-D, 1x Display port from Intel HD 4600 Graphics, 3x Independent Displays
<b>Serial Port / Header</b>	4x COM ports (headers); COM2 with RS422/485 support
<b>DOM</b>	SATA DOM (Disk on Module) power connector support
<b>Security</b>	1 TPM 1.2 20-pin Header
<b>Others</b>	PS/2 connector for mouse and keyboard

## Expansion Slots

- 1x PCI-E 3.0 x16 (in x16) slot
- 1x PCI-E 2.0 x4 slot
- 1x PCI-E 2.0 x1 slot
- 1x Mini-PCI-E w/ mSATA support

## System BIOS

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

## Management

- Software**
  - SuperDoctor® III
  - Watch Dog
  - AMT
  - NMI
  - vPro

## Power Configurations

- ACPI / ACPM Power Management
- Main Switch Override Mechanism
- Power-on mode for AC power recovery
- Internal/External modem ring-on

## PC Health Monitoring

- Voltage**
  - Monitors for CPU Cores, +1.8V, +12V, +3.3V, +5V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
  - 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V

## FAN

- Total of four 4-pin fan headers supporting up to 4 fans
- 4x fans with tachometer status monitoring
- Status monitor for speed control
- Status monitor for on/off control
- Support 3-pin fans (w/o speed control)
- Low noise fan speed control
- Pulse Width Modulated (PWM) fan connectors

## Temperature

- Monitoring for CPU and chassis environment
- CPU thermal trip support
- Adaptive Thermal Monitor, PECI 3.0

## LED

- CPU / System Overheat LED
- +5V Standby alert LED

## Other Features

- Chassis intrusion detection
- Chassis intrusion header

## OS Compatibility

- Please see our [OS Compatibility Chart](#)

## Operating Temperature

- 0°C to 60°C

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

## Parts List

### Parts List (Bulk Package)

	Part Number	Qty	Description
<b>Motherboard</b>	MBD-X10SLQ	1	X10SLQ Motherboard
<b>I/O Shield</b>	MCP-260-00063-0N	1	Standard I/O Shield for X10SLQ
<b>I/O Cables</b>	CBL-0044L	2	57.5 cm SATA FLAT S-S PBF
<b>Quick Reference Guide</b>	QRG-X10SLQ	1	X10SLQ Quick Reference Guide

### Optional Parts List

	Part Number	Qty	Description
<b>mSATA 128GB</b>	HDS-MTM-THNSNH128GMCT	1	Toshiba mSATA 128GB MLC
<b>mSATA 256GB</b>	HDS-MTM-THNSNH256GMCT	1	Toshiba mSATA 256GB MLC