

X10SLQ-L



vPro AMT Embedded Desktop

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 16GB DDR3 non-ECC
1600MHz UDIMM in 2 sockets
4. Dual Gigabit Ethernet LAN ports (1 Intel® i217LM & 1 Intel® i210AT)
5. 5 SATA3 (6Gbps)
6. 1 PCI-E 3.0 x16, 1 PCI-E 2.0 x4,
and 1 PCI-E 2.0 x1
7. 2 USB 3.0 (2 rear)
6 USB 2.0 (2 rear + 4 via headers)
8. HD Audio 7.1 channel connector by Realtek ALC888S
9. 1 DOM power connector,
1 SPDIF Out Header, 4 COM ports

Links & Resources

- [Tested Memory List](#)
- [Tested HDD / SSD List](#)
- [Tested M.2 List](#)
- [Motherboard Manual](#)
- [Quick Reference Guide](#)
- [Update Your BIOS](#)
- [BMC/IPMI Firmware](#)
- [Download the Latest Drivers and Utilities](#)
- [Download Drivers CD](#)
- [OS Compatibility
Optimization](#)

Specifications

Product SKUs

MBD-X10SLQ-L ■ X10SLQ-L

Physical Stats

Form Factor ■ uATX

Dimensions ■ 9.6" x 9.6" (24.38cm x 24.38cm)

Processor/Cache

CPU ■ Intel® 4th Generation Core i3 series, Intel® 4th Generation Core i5 series, Intel® 4th Generation Core i7 series, Intel® Celeron®, Intel® Pentium®v.
 ■ Single Socket LGA 1150 supported, CPU TDP support Up to 95W TDP

System Memory

Memory Capacity ■ Up to 16GB Unbuffered non-ECC UDIMM, DDR3-1600MHz, in 2 DIMM slots
 ■ up to 16GB UDIMM non ECC

Memory Type ■ 1600MHz non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes ■ 1GB, 2GB, 4GB, 8GB

Memory Voltage ■ 1.35V, 1.5V

On-Board Devices

Chipset ■ Intel® Q87 Express

SATA ■ Intel® Q87 controller for 5 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Network Controllers ■ Single LAN with Intel® PHY I217LM
 Single LAN with Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Audio ■ 7.1 HD Audio header and rear I/O

Graphics ■ Intel® HD 4600 Graphics
 ■ 3 Independent Displays

Input / Output

SATA ■ 5 SATA3 (6Gbps) port

LAN ■ 2 RJ45 Gigabit Ethernet LAN ports

USB ■ 6 USB 2.0 ports (2 rear + 4 headers)
 ■ 2 USB 3.0 ports (2 rear)

Video Output ■ 1 VGA port, 1 HDMI port, 1 DVI - D port,
 ■ 3 Independent Displays

Serial Port / Header ■ 4 COM Ports (4 headers)
 4 fast UART 16550 serial

TPM ■ 1 TPM Header

Expansion Slots

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|--------------|---|
| PCI-E | <ul style="list-style-type: none"> ■ 1 PCI-E 3.0 x16 (in x16 slot) ■ 1 PCI-E 2.0 x4 ■ 1 PCI-E 2.0 x1 |
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System BIOS

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| BIOS Type | <ul style="list-style-type: none"> ■ 128Mb SPI Flash EEPROM with AMI BIOS |
| BIOS Features | <ul style="list-style-type: none"> ■ ACPI 5.0 ■ USB Keyboard support ■ DMI (SMBIOS) 2.7 |
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Management

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|-----------------------------|---|
| Software | <ul style="list-style-type: none"> ■ AMT, NMI, SuperDoctor® III, vPro, 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 |
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PC Health Monitoring

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|-----------------------|---|
| Voltage | <ul style="list-style-type: none"> ■ +1.8V, +12V, +3.3V, +5V, +5V standby, 4 -fan status, 5 Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V, Chassis intrusion header, Memory, Memory Voltages, Monitors CPU voltages, Supports system management utility, System level control, System temperature |
| FAN | <ul style="list-style-type: none"> ■ 4x 4-pin fan headers (up to 4 fans), 4 fans with tachometer monitoring, Low noise fan speed control, Pulse Width Modulated (PWM) fan connectors, 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 | <ul style="list-style-type: none"> ■ Monitoring for CPU and chassis environment, CPU thermal trip support, PECL, Adaptive Thermal Monitor, PECL 3.0 |
| LED | <ul style="list-style-type: none"> ■ CPU / System Overheat LED, +5V Standby alert LED |
| Other Features | <ul style="list-style-type: none"> ■ ACPI power management, ATX Power connector, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, RoHS, System level control, WOL |
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Operating Environment

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|------------------------------------|---|
| Operating Temperature Range | <ul style="list-style-type: none"> ■ 0°C ~ 60°C (32°F ~ 140°F) |
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Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X10SLQ-L	1	X10SLQ-L Motherboard
I/O Shield	MCP-260-00063-1N	1	standard I/O Shield for X10SLQ
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF

Chassis (Optimized for X10SLQ-L)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
			2U Heatsink:SNK-P0046A4	<u>SC731D-300B</u> <u>SC732i-865B</u> <u>SC732I-500B</u> <u>SC732D2-903B</u> <u>SC732D2-865B</u> <u>SC732D2-500B</u> <u>SC732D4-903B</u> <u>SC732D4-865B</u> <u>SC732D4-500B</u> <u>SC732D4F-903B</u> <u>SC732D4F-865B</u> <u>SC732D4F-500B</u> <u>SC731i-300B</u> 2U Heatsink:SNK-P0046A4	

● = Most optimized Chassis for SuperServer Configuration
● = Compatible
● = Global SKU & Compatible
● & ● = Optimized + Global SKU