

X10SL7-F



[Links & Resources](#)

([https://www.supermicro.com/CDS_Image/uploads/imagecache/600px_wide/intel_motherboard_active/X10SL7-F\[1\].jpg](https://www.supermicro.com/CDS_Image/uploads/imagecache/600px_wide/intel_motherboard_active/X10SL7-F[1].jpg)).

High Performance Key Features

- Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3/v4, 4th gen.
- Core i3, Pentium, Celeron processors
- Intel® C222 Express PCH
- Up to 32GB DDR3 ECC 1600MHz UDIMMs in 4 sockets
- Dual Gigabit Ethernet LAN ports via Intel® i210AT
- 2 SATA (6Gbps), 4 SATA (3Gbps)
- 8x SAS2 (6Gbps) via Broadcom 2308 [nid:10917]
- Expansion slots: 1 PCI-E 3.0 x8 (in x16), 1 PCI-E 2.0 x4 (in x8)
- 2 USB 3.0 (1 Type-A + 1 via header)
- 6 USB 2.0 (4 rear + 2 via header)
- Integrated IPMI 2.0 with KVM and Dedicated LAN

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for replacement SKUs.

MBD-X10SL7-F
X10SL7-F

Physical Stats

Form Factor

microATX

Dimensions

9.6" x 9.6" (24.38cm x 24.38cm)

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.

Socket LGA 1150 supported

System Memory

Memory Capacity

Up to 32GB Unbuffered ECC UDIMM, DDR3-1600MHz, in 4 DIMM slots

4x 240-pin DDR3 DIMM socket

Memory Type

1600MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

DIMM Sizes

1GB, 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® C222 Express PCH

SATA

SATA3 (6 Gbps) ports; RAID 0,1

4 SATA2 (3 Gbps) ports; RAID 0,1,5,10

SAS

SAS2 (6Gbps) via LSI 2308

SW RAID 0, 1, 1E, 10 support

IPMI

Support for Intelligent Platform Management Interface v.2.0

IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

ASPEED AST2400 with 10/100/1000M bps MAC

Network Controllers

Dual LAN with Intel® Ethernet Controller I210-AT

Single LAN with Realtek RTL8211E PHY (dedicated IPMI)

Single LAN with Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Graphics

Aspeed AST2400 BMC

Input / Output

SATA

2 SATA3 (6Gbps) ports

4 SATA2 (3Gbps) ports

LAN

2 RJ45 Gigabit Ethernet LAN ports

1 RJ45 Dedicated IPMI LAN port

Expansion Slots

PCI-E

1 PCI-E 3.0 x8 (in x16 slot)

1 PCI-E 2.0 x4 (in x8 slot)

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

IPMI2.0, NMI, SuperDoctor® III, Watchdog

Power Configurations

ACPI Power Management

Power-on mode for AC power recovery

Main Switch Override Mechanism

Internal/External modem ring-on

PC Health Monitoring

Voltage

+12V, +3.3V, +5V, +5V standby, 5 Phase-switching voltage regulator, 5 Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V

FAN

5x 4-pin fan headers (up to 5 fans), 5 fans with tachometer status 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)

Temperature

Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI, FC temperature sensing logic

LED

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

Other Features

Chassis intrusion detection, Chassis intrusion header

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)

USB

6 USB 2.0 ports (4 rear + 2 headers)
 2 USB 3.0 ports (1 header + 1 Type A)

Video Output

1 VGA port

Serial Port / Header

2 COM Ports (1 rear, 1 header)
 1 fast UART 16550 serial

TPM

TPM Header

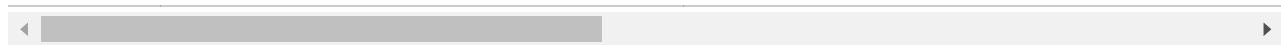
Parts List

Parts List (Bulk Package)

Name	Part Number	Qty	Description
Motherboard	MBD-X10SL7-F	1	X10SL7-F Motherboard
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00073-0N	1	Standard I/O shield for X9/X10 I/O MB, no EMI Gasket,RoHS/REACH,PBF

Chassis (Optimized for X10SL7-F)

Embedded Compact	1U	2U	3U
1U Heatsink:SNK-P0046P	 SC113MTQ-R400CB	 SC213LT-600LPB	 SC835
2U Heatsink:SNK-P0046A4	 SC113MTQ-330CB	 SC825MTQ-R700LPB	 SC835
	 SC811TQ-441B	 SC823TQ-653LPB	1U Hea 2U Hea
	 SC512F-350B	 SC213LT-563LPB	
	 SC512F-441B	1U Heatsink:SNK-P0046P 2U Heatsink:SNK-P0046A4	
	 SC813MTQ-R400CB		
	 SC813MTQ-350CB		
	 SC813MTQ-441CB		
	1U Heatsink:SNK-P0046P 2U Heatsink:SNK-P0046A4		



 = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Server (Optimized for X10SL7-F)

Server Name

[SYS-1018D-73MTF \(/en/products/system/1U/1018/SYS-1018D-73MTF.cfm\)](/en/products/system/1U/1018/SYS-1018D-73MTF.cfm)

Certain products may not be available in your region

Global SKU (/en/products/SMC_global_skus)
