

# SuperServer 1018D-73MTF



## Integrated Board



[Super X10SL7-F](#)

### Available Colors:

Black



## Key Features

1. Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3/v4, 4th gen. Core i3, Pentium, Celeron processors
2. Intel® C222 Express PCH
3. 8x 2.5" Hot-swap SAS2/SATA3 HDD bays
4. Up to 32GB DDR3 ECC 1600MHz UDIMMs in 4 sockets
5. 1x PCI-E 3.0 x8 (in x16) Full-height slot
6. Dual Gigabit Ethernet LAN ports via Intel® i210AT
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. 330W Gold Level Power Supply
9. SATA Disk-on-module (DOM) power connector; TPM 1.2 and USB Type A

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

## Specifications

### Product SKUs

- SYS-1018D-73MTF** ■ SuperServer 1018D-73MTF (**Black**)

### Motherboard

[Super X10SL7-F](#)

### Processor/Cache

- CPU**
- Intel® Xeon® processor E3-1200 v3/v4 family, 4th Gen Core i3, Pentium, Celeron processors
  - Socket H3 (LGA 1150)

### System Memory

- Memory Capacity**
- 4x 240-pin DDR3 DIMM slots
  - Supports up to 32 GB DDR3 ECC Un-Buffered memory (UDIMM)
- Memory Type**
- 1600MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
- DIMM Sizes**
- 8GB, 4GB, 2GB, 1GB
- Memory Voltage**
- 1.5 V, 1.35 V
- Error Detection**
- Corrects single-bit errors
  - Detects double-bit errors (using ECC memory)

### Chassis

- Form Factor**
- 1U Rackmount
- Model**
- [CSE-113MTQ-330CB](#)

### Dimensions and Weight

- Height**
- 1.7" (43mm)
- Width**
- 17.2" (437mm)
- Depth**
- 19.98" (507mm)
- Weight**
- Gross Weight: 30.4 lbs (13.8 kg)
  - Net Weight: 17.6 lbs (8 kg)
- Available Colors**
- Black

### Front Panel

- Buttons**
- Power On/Off button
  - System Reset button
- LEDs**
- Power LED
  - Hard drive activity LED
  - 2x Network activity LEDs
  - System Overheat LED

### Expansion Slots

- PCI-Express**
- 1x PCI-E 3.0 x8 (in x16) Full-height slot

## On-Board Devices

<b>Chipset</b>	<ul style="list-style-type: none"><li>Intel® C222 Express PCH</li></ul>
<b>SATA</b>	<ul style="list-style-type: none"><li>SATA3 (6Gbps) w/ RAID 0, 1</li><li>SATA2 (3Gbps) w/ RAID 0, 1, 5, 10</li></ul>
<b>SAS</b>	<ul style="list-style-type: none"><li>SAS2 (6Gbps) via LSI 2308</li><li>SW RAID 0, 1, 10 support</li></ul>
<b>IPMI</b>	<ul style="list-style-type: none"><li>Support for Intelligent Platform Management Interface v.2.0</li><li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li><li>ASPEED AST2400 BMC with 10/100/1000Mbps</li></ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"><li>Intel® i210AT dual port GbE Controllers</li><li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li><li>1x Realtek RTL8201N PHY (dedicated IPMI)</li></ul>
<b>VGA</b>	<ul style="list-style-type: none"><li>ASPEED AST2400 BMC</li></ul>
<b>Input / Output</b>	
<b>SATA</b>	<ul style="list-style-type: none"><li>2x SATA3 (6Gbps) ports</li><li>4x SATA2 (3Gbps) ports</li><li>SATA DOM Power Connector</li></ul>
<b>SAS</b>	<ul style="list-style-type: none"><li>8x SAS2 (6Gbps) ports</li></ul>
<b>LAN</b>	<ul style="list-style-type: none"><li>2x RJ45 Gigabit Ethernet LAN ports</li><li>1x RJ45 Dedicated IPMI LAN port</li></ul>
<b>USB</b>	<ul style="list-style-type: none"><li>4x USB 2.0 ports</li></ul>
<b>VGA</b>	<ul style="list-style-type: none"><li>1x VGA port</li></ul>
<b>Serial Port / Header</b>	<ul style="list-style-type: none"><li>2x COM ports (1 rear, 1 header)</li></ul>
<b>PC Health Monitoring</b>	
<b>Voltage</b>	<ul style="list-style-type: none"><li>Monitors for CPU Cores, +12V, +3.3V, +5V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.</li><li>5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V</li></ul>
<b>FAN</b>	<ul style="list-style-type: none"><li>Total of 5 fan headers supporting up to 5 fans</li><li>Five 4-pin fan headers</li><li>5x fans with tachometer status monitoring</li><li>Status monitor for speed control</li><li>Status monitor for on/off control</li><li>Support 3-pin fans (w/o speed control)</li><li>Low noise fan speed control</li><li>Pulse Width Modulated (PWM) fan connectors</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>Monitoring for CPU and chassis environment</li><li>CPU thermal trip support</li><li>FC temperature sensing logic</li><li>Thermal Monitor 2 (TM2) support</li><li>PECI</li></ul>
<b>LED</b>	<ul style="list-style-type: none"><li>CPU / System Overheat LED</li><li>+5V Standby alert LED</li></ul>
<b>Other Features</b>	<ul style="list-style-type: none"><li>Chassis intrusion detection</li><li>Chassis intrusion header</li></ul>

## Drive Bays

- Hot-swap** 8x 2.5" Hot-swap SAS2/SATA3 HDD bays

- Peripheral Bay** Slim optical drive (optional)

## Backplane

SAS2/SATA3 HDD Backplane  
(SAS support requires optional SAS controller)

## System Cooling

- Fans** 3x 40x28mm 4-pin PWM Cooling Fans
- Optional fans to cool add-on cards

## Power Supply

330W AC power supply w/ PFC

- AC Voltage** 100-240 V, 50-60 Hz, 4.5 Amp max

- +5V** 18 Amp

- +5V standby** 3 Amp

- +12V** 27 Amp @ 100-180Vac,  
31 Amp @ 180-240 Vac

- 12V** 0.5 Amp

- +3.3V** 15 Amp

## Certification



**Gold Certified**  
[ [Test Report](#) ]

## System BIOS

- BIOS Type** 128Mb SPI Flash EEPROM with AMI BIOS

- BIOS Features**
  - DMI 2.3
  - PCI 2.3
  - ACPI 1.0 / 2.0
  - USB Keyboard support
  - SMBIOS 2.3

## Management

- Software**
  - IPMI (Intelligent Platform Management Interface) v2.0 with KVM support
  - [SuperDoctor® III](#)
  - Watch Dog
  - NMI

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

## Operating Environment / Compliance

- RoHS** RoHS2 (2011/65/EU) Compliant

- Environmental Spec.**
  - Operating Temperature: 10°C to 35°C (50°F to 95°F)
  - Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
  - Operating Relative Humidity: 8% to 90% (non-condensing)
  - Non-operating Relative Humidity: 5% to 95% (non-condensing)

## Parts List

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10SL7-F	1	Super X10SL7-F Motherboard
	CSE-113MTQ-330CB	1	1U Chassis
<b>Air Shroud</b>	MCP-310-19007-0N	1	SC811/SC512L/SC512F/SC813M/SC113M/SC513L-410B/SC513L-420B/SC513F, UP X9SRE/I, X9 Mylar Air Shroud, 12"x9.6" MB
<b>Backplane</b>	BPN-SAS-113TQ	1	Sup 8x2.5" Hot-swap SAS/SATA hdd; SATA con
<b>Cable 1</b>	CBL-0157L	2	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
<b>Cable 2</b>	CBL-0186L	2	SET OF 4 SATA 56/45.5/35/23CM ROUND S-RA. 26AWG
<b>Fan</b>	FAN-0065L4	1	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
<b>Manual</b>	MNL-1460-QRG	1	1018D-73MTF, QRG
<b>Riser Card</b>	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
<b>Heatsink / Retention</b>	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
<b>Power Supply</b>	PWS-333-1H	1	1U 330W MULTI OUTPUT 80+ GOLD PWS 24PIN