

# SuperServer 5018D-MTLN4F



## Integrated Board



Super X10SLM+-LN4F

### 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® C224 Express PCH
3. 4x 3.5" Hot-swap SATA3 HDDs
4. 1x PCI-E 3.0 x16 Full-height slot
5. Up to 32GB DDR3 ECC 1600MHz UDIMMs in 4 sockets
6. Quad Gigabit Ethernet LAN ports via Intel® i210AT
7. IPMI 2.0 on Dedicated LAN port
8. 350W Gold Level Power Supply

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

## Specifications

### Product SKUs

- SYS-5018D-MTLN4F**
- SuperServer 5018D-MTLN4F (**Black**)

### Motherboard

**Super X10SLM+-LN4F**

### 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
- Error Detection**
- Corrects single-bit errors
  - Detects double-bit errors (using ECC memory)

### Chassis

- Form Factor**
- 1U Rackmount
- Model**
- **CSE-813MTQ-350CB**

### Dimensions and Weight

- Height**
- 1.7" (43mm)
- Width**
- 17.2" (437mm)
- Depth**
- 19.8" (503mm)
- 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
  - 4x Network activity LEDs
  - System Overheat LED
- Ports**
- 2x USB ports
  - 1x Serial COM Port

### Expansion Slots

- PCI-Express**
- 1x PCI-E 3.0 x16 Full-height slot

On-Board Devices	
<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel® C224 PCH chipset</li> </ul>
<b>SATA</b>	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) w/ RAID 0, 1, 5, 10</li> <li>SATA2 (3Gbps) w/ RAID 0, 1</li> <li>SATA DOM Power Connector</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 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>

Input / Output	
<b>Serial ATA</b>	<ul style="list-style-type: none"> <li>4x SATA3 (6Gbps) ports</li> <li>2x SATA2 (3Gbps) ports</li> <li>SATA DOM Power Connector</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>4x RJ45 GbE LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>4x USB 3.0 ports (2 rear, 1 Type-A, 1 via header)</li> <li>6x USB 2.0 ports (2 rear, 4 via header)</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>2 COM ports (1 rear, 1 header)</li> </ul>

PC Health Monitoring	
<b>Voltage</b>	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, 12V, +3.3V, +5V, +3.3V Standby, +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 Five 4-pin fan headers supporting up to 5 fans</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	
<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>4x 3.5" Hot-swap SATA3 HDDs w/ RAID</li> </ul>
<b>Peripheral Bay</b>	<ul style="list-style-type: none"> <li>Slim optical drive (optional)</li> </ul>
Backplane	
SAS2/SATA3 HDD Backplane (SAS support requires optional SAS controller)	
System Cooling	
<b>Fans</b>	<ul style="list-style-type: none"> <li>4x 4cm 12,500 RPM PWM fans</li> <li>Optional fans to cool add-on cards</li> </ul>

Power Supply	
350W AC power supply w/ PFC	
<b>AC Voltage</b>	<ul style="list-style-type: none"> <li>100-240 V, 50-60 Hz, 4.2-1.8 Amp</li> </ul>
<b>+5V</b>	<ul style="list-style-type: none"> <li>18 Amp</li> </ul>
<b>+5V standby</b>	<ul style="list-style-type: none"> <li>3 Amp</li> </ul>
<b>+12V</b>	<ul style="list-style-type: none"> <li>29 Amp</li> </ul>
<b>+3.3V</b>	<ul style="list-style-type: none"> <li>15 Amp</li> </ul>

**Certification**



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

System BIOS	
<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>DMI 2.3</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> </ul>

Operating Environment / Compliance	
<b>RoHS</b>	<ul style="list-style-type: none"> <li>RoHS2 (2011/65/EU) Compliant</li> </ul>
<b>Environmental Spec.</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

## Parts List

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10SLM+-LN4F	1	Super X10SLM+-LN4F Motherboard
	CSE-813MTQ-350CB	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-815TQ	1	Sup 4x SAS/SATA;SATA con
<b>Cable 1</b>	CBL-0186L	1	SET OF 4 SATA 56/45.5/35/23CM ROUND S-RA. 26AWG
<b>Cable 2</b>	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
<b>Manual</b>	MNL-1457-QRG	1	5018D-MTLN4F, 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-351-1H	1	1U 350W MULTI OUTPUT 80PLUS GOLD PWS

### Optional Parts List

	Part Number	Qty	Description
<b>Cable</b>	CBL-0288L-01	-	IPASS TO 4 SATA 70/60/50/50CM, W/ 70CM SB, RA ,30AWG