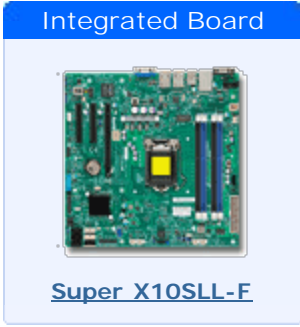


SuperServer 5018D-MF



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. 2x Internal 3.5" SATA3/2 HDD bays (2.5" optional)
4. 1x PCI-E 3.0 x8 (in x16) Full-height slot
5. Up to 32GB DDR3 ECC 1600MHz UDIMMs in 4 sockets
6. Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)
7. IPMI 2.0 on Dedicated LAN port
8. 350W Gold Level Power Supply
9. 1x Slim DVD-ROM Drive (optional)

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-MF ■ SuperServer 5018D-MF (Black)

Motherboard

[Super X10SLL-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, 1.35V

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

Chassis

Form Factor ■ 1U Rackmount

Model ■ [CSE-512F-350B](#)

Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 14.5" (369mm)

Weight ■ Gross Weight: 16.2 lbs (7.4 kg)
 ■ Net Weight: 12 lbs (5.3 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

Drive Bays

On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C222 Express PCH
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) w/ RAID 0, 1 SATA2 (3Gbps) w/ RAID 0, 1, 5, 10
IPMI	<ul style="list-style-type: none"> 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 10/100/1000Mbps
Network Controllers	<ul style="list-style-type: none"> Intel® i217LM + Intel® i210AT Controllers Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	<ul style="list-style-type: none"> ASPEED AST2400 BMC

Input / Output

Serial ATA	<ul style="list-style-type: none"> 2x SATA3 (6Gbps) ports 4x SATA2 (3Gbps) ports SATA DOM Power Connector
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 6x USB 2.0 ports (4 rear, 2 via header) 2x USB 3.0 ports (1 Type-A, 1 via header)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 serial port 1x internal header

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> Monitors for CPU Cores, +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	<ul style="list-style-type: none"> Total of five 4-pin fan headers supporting up to 5 fans 5x 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	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support FC temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED +5V Standby alert LED
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header

Internal HDDs	<ul style="list-style-type: none"> 2x 3.5" internal SATA3/2 HDD bays w/ RAID (2.5" optional)
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Peripheral Drives

DVD-ROM	<ul style="list-style-type: none"> Slim DVD-ROM Drive (optional)
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System Cooling

Fans	<ul style="list-style-type: none"> 2x 4cm 4-pin PWM Fans
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Power Supply

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

Certification



Gold Certified
[[Test Report](#)]

System BIOS

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

Management

Software	<ul style="list-style-type: none"> IPMI (Intelligent Platform Management Interface) v2.0 with KVM support SuperDoctor® III Watch Dog NMI
Power Configurations	<ul style="list-style-type: none"> ACPI / ACPM Power Management Main Switch Override Mechanism Power-on mode for AC power recovery Internal/External modem ring-on

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS2 (2011/65/EU) Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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
Motherboard / Chassis	MBD-X10SLL-F	1	Super X10SLL-F Motherboard
	CSE-512F-350B	1	1U Chassis
Air Shroud	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
Cable 1	CBL-0061L	1	35CM end to end, SATA CABLE, PB FREE, 26AWG, flat
Manual	MNL-1456-QRG	1	5018D-MF, QRG
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
Heatsink / Retention	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
Power Supply	PWS-351-1H	1	1U 350W MULTI OUTPUT 80PLUS GOLD PWS