

SuperServer 5018R-M



Integrated Board



Super X10SRi-F

Available Colors:

Black



Key Features

1. Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
2. Intel® C612 chipset
3. 4x 3.5" Hot-swap SATA3 drive bays
4. Up to 512GB ECC DDR4 2133MHz LRDIMM; 8x DIMM sockets
5. 1x PCI-E 3.0 x16 slot
6. Intel® i350-AM2 Dual port GbE LAN
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. I/O ports: 1x VGA, 1x COM, 2x USB 3.0, 4x USB 2.0
9. 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-5018R-M ■ SuperServer 5018R-M (Black)

Motherboard

Super X10SRi-F

Processor

CPU ■ Intel® Xeon® processor E5-2600/1600 v3 family (up to 145W TDP **)
 ■ Single Socket R3 (LGA 2011)

Core / Cache ■ Up to 18 Cores / Up to 45MB Cache

Note ** Motherboard supports this maximum TDP. Please verify your system can thermally support

System Memory

Memory Capacity ■ 8x 288-pin DDR4 DIMM sockets
 ■ Up to 512GB DDR4 ECC LRDIMM
 ■ Up to 256GB DDR4 ECC RDIMM

Memory Type ■ 2133/1866/1600/1333MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM/LRDIMM) / 284-pin (UDIMM) gold-plated DIMMs

DIMM Sizes ■ RDIMM: 32GB, 16GB, 8GB, 4GB

Chassis

Form Factor ■ 1U Rackmount

Model ■ [CSE-813MTQ-350CB](#)

Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 19.8" (503mm)

Package ■ 8.5" (H) x 24" (W) x 29.5" (D)

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 x16 slot

Memory Voltage	<ul style="list-style-type: none"> 1.2 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C612 Express chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) via C612 controller RAID 0, 1, 10 support
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 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350-AM2 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Video	<ul style="list-style-type: none"> ASPEED AST2400 BMC
Input / Output	
SATA	<ul style="list-style-type: none"> 10x SATA3 (6Gbps) ports
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"> 2x USB 3.0 ports (2 rear) 4x USB 2.0 ports (2 rear + 2 front)
Video	<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
DOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) ports
PC Health Monitoring	
Voltage	<ul style="list-style-type: none"> Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
FAN	<ul style="list-style-type: none"> Total of 6 fan headers supporting up to 6 fans 6 fans with tachometer status monitoring Status monitor for speed control Status monitor for on/off 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 I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED Suspend static indicator LED UID/Remote UID
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header Chipkill support RoHS, Halogen Free

Drive Bays	<ul style="list-style-type: none"> 4x 3.5" Hot-swap drive bays
Peripheral Drives	
Optional	<ul style="list-style-type: none"> 2x 2.5" Fixed drives internal
Backplane	
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)	
System Cooling	
Fans	<ul style="list-style-type: none"> 4x 40x28mm 4-pin PWM Cooling Fans
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	 <ul style="list-style-type: none"> Gold Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 8MB SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS 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-X10SRi-F	1	Super X10SRi-F Motherboard
	CSE-813MTQ-350CB	1	1U Chassis
Backplane	BPN-SAS-815TQ	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable 2	CBL-0186L	1	SET OF 4 SATA 56/45.5/35/23CM ROUND S-RA. 26AWG
Peripheral Drive	DVM-TEAC-DVD-SBT3	0	BLACK TEAC SLIM DVD ROM SATA DRIVE ROHS,HF,RoHS/REACH,PBF
Peripheral Drive	DVM-PNSC-DVD-SBT2	0	BLACK PANASONIC SLIM DVD ROM SATA DRIVE ROHS
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
Heatsink / Retention	SNK-P0047PS	1	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-351-1H	1	1U 350W MULTI OUTPUT 80PLUS GOLD PWS
Cable 3	CBL-0049L	1	Front ctrl cable 16 PIN TO 16 PIN, LF, Flat (L=54cm)
Fan 1	FAN-0065L4	4	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Drive Tray(s)	MCP-220-00093-0B	4	Black 3.5
Mounting Rails	CSE-PT52	1 set	THIRD GENERATION GUIDE RAIL ASSY. Outer slides extendable length: 26" to 33.5"