

# SuperServer 1017R-MTF



## Integrated Board



Super X9SRI-F

### Available Colors:

Black



## Key Features

1. Intel® Xeon® processors E5-2600
2. Intel® C602 Chipset
3. 8x 2.5" Hot-swap drive bays
4. Up to 256GB RDIMM or 64GB UDIMM; DDR3 up to 1600MHz; 8x DIMM sockets
5. 1x PCI-E 3.0 x16 FH expansion slot
6. Intel® i350 Dual Port Gigabit Ethernet
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. SATA2 w/ RAID 0, 1, 10 (R5 option)
9. 330W Gold Level Power Supply
10. 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-1017R-MTF** ■ SuperServer 1017R-MTF (**Black**)

### Motherboard

#### Super X9SRI-F

### Processor/Cache

- CPU** ■ Intel® Xeon® processor E5-2600 family  
 ■ Single Socket R (LGA 2011)

- Cache** ■ Up to 20MB

- System Bus** ■ QPI up to 8 GT/s

### System Memory

- Memory Capacity** ■ 8x 240-pin DDR3 DIMM sockets  
 ■ Supports up to 256 GB DDR3 ECC Registered memory (RDIMM)  
 ■ Supports up to 64 GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)
- Memory Type** ■ 1600/1333/1066MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
- DIMM Sizes** ■ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB

### Chassis

- Form Factor** ■ 1U Rackmount

- Model** ■ **CSE-113MTQ-330CB**

### Dimensions

- Height** ■ 1.7" (43mm)  
**Width** ■ 17.2" (437mm)  
**Depth** ■ 19.98" (507mm)  
**Gross Weight** ■ 38 lbs (16.5kg)

- 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 Full-height slot  
 ■ [UIO AOC Compatibility Matrix](#)

<b>Voltage</b>	<ul style="list-style-type: none"> <li>1.5 V, 1.35 V</li> </ul>
<b>Error Detection</b>	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>

### On-Board Devices

<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel® C602 chipset</li> </ul>
<b>SATA</b>	<ul style="list-style-type: none"> <li>2 SATA3 (6Gbps) &amp; 4 SATA2 (3Gbps)</li> <li>RAID 0, 1, 5, 10 support (Windows)</li> <li>RAID 0, 1, 10 support (Linux)</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>Winbond WPCM540 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Intel® i350 Dual port GbE LAN</li> <li>Virtual Machine Device Queues reduce I/O overhead</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>Matrox G200eW 16MB DDR2 graphics controller</li> </ul>
<b>Super I/O</b>	<ul style="list-style-type: none"> <li>Nuvoton NCT 6776F</li> </ul>

### Input / Output

<b>SATA</b>	<ul style="list-style-type: none"> <li>2 SATA 3.0 ports (6Gbps)</li> <li>4 SATA 2.0 ports (3Gbps)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>2x RJ45 LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>9 USB 2.0 ports total (2 rear + 6 via headers + 1 Type A)</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
<b>Keyboard / Mouse</b>	<ul style="list-style-type: none"> <li>PS/2 keyboard and mouse ports</li> </ul>
<b>Serial Port / Header</b>	<ul style="list-style-type: none"> <li>1x Fast UART 16550 serial port</li> <li>1x internal header</li> </ul>

### Drive Bays

<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>8x 2.5" Hot-swap drive bays</li> </ul>
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### Backplane

SAS/SATA HDD Backplane (SAS support requires optional SAS controller)
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### System Cooling

<b>Fans</b>	<ul style="list-style-type: none"> <li>3x 40x28mm 4-pin PWM Cooling Fans</li> </ul>
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### Power Supply

330W AC power supply w/ PFC	
<b>AC Voltage</b>	<ul style="list-style-type: none"> <li>100-240 V, 50-60 Hz, 4.5 Amp max</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>27 Amp @ 100-180Vac, 31 Amp @ 180-240 Vac</li> </ul>
<b>-12V</b>	<ul style="list-style-type: none"> <li>0.5 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>8MB 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>RoHS 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 - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X9SRI-F	1	Super X9SRI-F Motherboard
	CSE-113MTQ-330CB	1	1U Chassis
<b>Backplane</b>	BPN-SAS-113TQ	1	BPN-SAS-113TQ-O-P
<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	1	SET OF 4 SATA 56/45.5/35/23CM ROUND S-RA. 26AWG
<b>Cable 3</b>	CBL-0206L	2	48CM SATA ROUND S-S PBF. 26AWG
<b>Cable 4</b>	CBL-0227L	2	48CM SATA ROUND S-RA PBF.26AWG
<b>Riser Card</b>	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
<b>Heatsink / Retention</b>	SNK-P0047P	1	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Square ILM
<b>Power Supply</b>	PWS-333-1H	1	1U 330W MULTI OUTPUT 80+ GOLD PWS 24PIN
<b>Cable 5</b>	CBL-0335L	1	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF. 28AWG
<b>Fan 1</b>	FAN-0065L4	3	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
<b>Drive Tray(s)</b>	MCP-220-00047-1B	8	Black gen 3rd hot-swap 2.5inch HDD tray w/o dummy tray
<b>Mounting Rails</b>	CSE-PT52L	1	Sliver chassis rail set for SC813M,515,113M