

# SuperServer 5017R-MTRF



## Integrated Board



Super X9SRI-F

Available Colors:

Black



## Key Features

1. Intel® Xeon® processors E5-2600
2. Intel® C602 Chipset
3. 4x 3.5" 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. 400W (1+1) Redundant Short-depth 80Plus Gold-level power supplies
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-5017R-MTRF	<ul style="list-style-type: none"> <li>▪ SuperServer 5017R-MTRF (Black)</li> </ul>
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### Motherboard

Super X9SRI-F

### Processor/Cache

CPU	<ul style="list-style-type: none"> <li>▪ Intel® Xeon® processor E5-2600 family</li> <li>▪ Single Socket R (LGA 2011)</li> </ul>
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Cache	<ul style="list-style-type: none"> <li>▪ Up to 20MB</li> </ul>
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System Bus	<ul style="list-style-type: none"> <li>▪ QPI up to 8 GT/s</li> </ul>
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### System Memory

Memory Capacity	<ul style="list-style-type: none"> <li>▪ 8x 240-pin DDR3 DIMM sockets</li> <li>▪ Supports up to 256 GB DDR3 ECC Registered memory (RDIMM)</li> <li>▪ Supports up to 64 GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)</li> </ul>
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Memory Type	<ul style="list-style-type: none"> <li>▪ 1600/1333/1066MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs</li> </ul>
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DIMM Sizes	<ul style="list-style-type: none"> <li>▪ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB</li> </ul>
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### Chassis

Form Factor	<ul style="list-style-type: none"> <li>▪ 1U Rackmount</li> </ul>
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Model	<ul style="list-style-type: none"> <li>▪ <a href="#">CSE-813MTQ-R400CB</a></li> </ul>
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### Dimensions

Height	<ul style="list-style-type: none"> <li>▪ 1.7" (43mm)</li> </ul>
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Width	<ul style="list-style-type: none"> <li>▪ 17.2" (437mm)</li> </ul>
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Depth	<ul style="list-style-type: none"> <li>▪ 19.85" (503mm)</li> </ul>
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Gross Weight	<ul style="list-style-type: none"> <li>▪ 38 lbs (16.5kg)</li> </ul>
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Available Colors	<ul style="list-style-type: none"> <li>▪ Black</li> </ul>
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### Front Panel

Buttons	<ul style="list-style-type: none"> <li>▪ Power On/Off button</li> <li>▪ System Reset button</li> </ul>
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LEDs	<ul style="list-style-type: none"> <li>▪ Power LED</li> <li>▪ Hard drive activity LED</li> <li>▪ 2x Network activity LEDs</li> <li>▪ System Overheat LED</li> </ul>
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### Expansion Slots

PCI-Express	<ul style="list-style-type: none"> <li>▪ 1x PCI-E 3.0 x16 Full-height slot</li> <li>▪ <a href="#">UIO AOC Compatibility Matrix</a></li> </ul>
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Memory Voltage	<ul style="list-style-type: none"> <li>1.5 V, 1.35 V</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>
<b>On-Board Devices</b>	
Chipset	<ul style="list-style-type: none"> <li>Intel® C602 Chipset</li> </ul>
SATA	<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>
IPMI	<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>
Network Controllers	<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>
VGA	<ul style="list-style-type: none"> <li>Matrox G200eW 16MB DDR2 graphics controller</li> </ul>
Super I/O	<ul style="list-style-type: none"> <li>Nuvoton NCT 6776F</li> </ul>
<b>Input / Output</b>	
SATA	<ul style="list-style-type: none"> <li>2 SATA 3.0 ports (6Gbps)</li> <li>4 SATA 2.0 ports (3Gbps)</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2x RJ45 LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>9 USB 2.0 ports total (2 rear + 6 via headers + 1 Type A)</li> </ul>
VGA	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
Keyboard / Mouse	<ul style="list-style-type: none"> <li>PS/2 keyboard and mouse ports</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>1x Fast UART 16550 serial port</li> <li>1x internal header</li> </ul>

<b>Drive Bays</b>	
Hot-swap	<ul style="list-style-type: none"> <li>4x 3.5" Hot-swap drive bays</li> </ul>
<b>Backplane</b>	
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)	
<b>System Cooling</b>	
Fans	<ul style="list-style-type: none"> <li>4x 40x28mm 4-pin PWM Cooling Fans</li> </ul>
<b>Power Supply</b>	
400W (1+1) Redundant SuperCompact Short-depth AC-DC Gold-level power supply with PMBus and I2C	
AC Input	<ul style="list-style-type: none"> <li>400W: 100-240 V, 50-60 Hz, 6-3 Amp</li> </ul>
DC Output +5V standby	<ul style="list-style-type: none"> <li>3 Amp</li> </ul>
DC Output +12V	<ul style="list-style-type: none"> <li>33 Amp</li> </ul>
With Power Distributor	<ul style="list-style-type: none"> <li>+5V: 25 Amp</li> <li>+3.3V: 25 Amp</li> <li>-12V: 0.6 Amp</li> </ul>
<b>System BIOS</b>	
BIOS Type	<ul style="list-style-type: none"> <li>8MB SPI Flash EEPROM with AMI BIOS</li> </ul>
BIOS Features	<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>
<b>Operating Environment / Compliance</b>	
RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<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
Motherboard / Chassis	MBD-X9SRI-F	1	Super X9SRI-F Motherboard
	CSE-813MTQ-R400CB	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
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
Heatsink / Retention	SNK-P0047P	1	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Square ILM
Power Supply	PWS-406P-1R	2	1U 400W Redundant Short Depth Power Supply