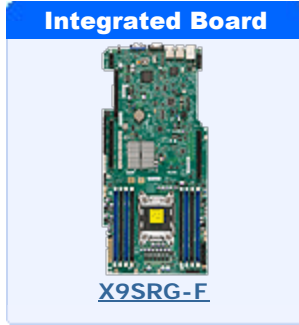


# 5017GR-TF



Available Colors:

Black



## Key Features

1. Single socket R (LGA 2011) supports Intel® Xeon® processor E5-2600
2. Up to 256GB DDR3 1600MHz reg. ECC DIMM
3. 2x PCI-E 3.0 x16 slots (support GPU/Xeon Phi cards)  
1x PCI-E 3.0 x8 low-profile slot
4. Integrated IPMI 2.0 with KVM and Dedicated LAN
5. Intel® i350 Dual-Port GbE Controller
6. 3x Hot-swap 3.5" Drive Bays
7. 1400W High-efficiency Power Supply **Platinum Level (94%+)**  
Digital Switching Control & PMBus 1.2
8. 8x Counter rotating fans w/ optimal fan speed control
9. Smart server management tools

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

## Specifications

### Product SKUs

- SYS-5017GR-TF** ■ SuperServer 5017GR-TF (**Black**)

### Motherboard

#### Super X9SRG-F

### Processor/Cache

- CPU**
- Intel® Xeon® processor E5-2600 family (up to 8 cores and up to 130W)
  - Single Socket R (LGA 2011)

- Cache**
- Up to 20MB

- System Bus**
- QPI up to 8 GT/s

- GPU/Xeon Phi Support**
- M2075/M2090, up to 130W CPU at 35°C
  - K10/K20/K20X (Kepler), up to 130W CPU at 35°C

### System Memory

- Memory Capacity**
- 8x 240-pin DDR3 DIMM sockets
  - Supports up to 256 GB DDR3 ECC Registered memory (RDIMM)

- Memory Type**
- 1600/1333/1066MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

### Chassis

- Form Factor**
- 1U Rackmount

- Model**
- **CSE-818G-1K43B**

### Dimensions

- Height**
- 1.7" (43mm)

- Width**
- 17.2" (437mm)

- Depth**
- 28.2" (716mm)

- Gross Weight**
- 41.4 lbs (18.8 kg)

- Available Color**
- 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 / Fan fail LED / UID LED

### Expansion Slots

- 2x PCI-E 3.0 x16 slots (support GPU/Xeon Phi cards)

<b>DIMM Sizes</b>	<ul style="list-style-type: none"> <li>32GB, 16GB, 8GB, 4GB, 2GB, 1GB</li> </ul>
<b>Memory 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>Intel ICH10R SATA 3.0Gbps Controller</li> <li>RAID 0, 1, 5, 10 support</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>Nuvoton WPCM450 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Intel® i350 Dual Port Gigabit Ethernet</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>Matrox G200eW 16MB DDR2 graphics</li> </ul>
<b>Super I/O</b>	<ul style="list-style-type: none"> <li>Nuvoton W83527</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>2 RJ45 Gigabit Ethernet LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>6 USB 2.0 ports total (2 rear + 4 via headers)</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>1 VGA Connector</li> </ul>
<b>Keyboard/Mouse</b>	<ul style="list-style-type: none"> <li>1 PS/2 Keyboard/Mouse port</li> </ul>
<b>Serial Port</b>	<ul style="list-style-type: none"> <li>1 Serial header</li> </ul>
<b>DOM</b>	<ul style="list-style-type: none"> <li>1 DOM (Disk on Module) power connector</li> </ul>

### System BIOS

<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>64Mb SPI Flash EEPROM with AMI® BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>DMI 2.3</li> <li>PCI 2.2</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>Hardware BIOS Virus protection</li> <li>SMBIOS 2.3</li> <li>UEFI</li> <li>RTC (Real Time Clock) Wakeup</li> </ul>

<b>PCI-Express</b>	<ul style="list-style-type: none"> <li>1x PCI-E 3.0 x8 slot for I.B. card</li> <li><a href="#">UIO AOC Compatibility Matrix</a></li> </ul>
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### Drive Bays

<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>3x 3.5" Hot-swap drive bays</li> </ul>
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### System Cooling

<b>Fans</b>	<ul style="list-style-type: none"> <li>8x counter-rotating fans with optimal fan speed control</li> </ul>
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### Power Supply

1400W High-efficiency AC power supply with Digital Switching Control & PMBus 1.2

<b>AC Voltage</b>	<ul style="list-style-type: none"> <li>1200W: 100-140 V, 14.7-10.5A, 50-60 Hz</li> <li>1400W: 180-240 V, 10.5-8.0A, 50-60 Hz</li> </ul>
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<b>+5V standby</b>	<ul style="list-style-type: none"> <li>6 Amp</li> </ul>
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<b>+12V</b>	<ul style="list-style-type: none"> <li>100 Amp/115 Vac</li> <li>117 Amp/230 Vac</li> </ul>
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<b>With Power Distributor</b>	<ul style="list-style-type: none"> <li>+5V: 14 Amp</li> </ul>
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<b>Certification</b>	 <b>Platinum Certified</b>
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### PC Health Monitoring

<b>CPU</b>	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +1.5V, +3.3V, +5V, +12V, +5 Stdby, +3.3 Stdby, VBAT, Memory Voltages.</li> <li>CPU Core 5-Phase-switching voltage regulator</li> </ul>
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<b>FAN</b>	<ul style="list-style-type: none"> <li>Total of eight 4-pin PWM fans</li> <li>8x fans with tachometer monitoring</li> <li>Status monitor for speed control</li> <li>Status monitor for on/off control</li> <li>Low noise fan speed control</li> </ul>
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<b>Temperature</b>	<ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>CPU thermal trip support</li> <li>Thermal Control for 8x Fan Connectors</li> <li>PSU I<sup>2</sup>C temperature sensing logic</li> <li>Thermal Monitor 2 (TM2) support</li> <li>PECI</li> </ul>
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<b>LED</b>	<ul style="list-style-type: none"> <li>Power Fail / Overheat LED</li> <li>Suspend-state Indicator LED</li> <li>UID LED</li> </ul>
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<b>Other Features</b>	<ul style="list-style-type: none"> <li>SDDC Support</li> </ul>
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### Operating Environment / Compliance

<b>RoHS</b>	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
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<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>
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## Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X9SRG-F	1	Super X9SRG-F Motherboard
	CSE-818G-1K43B	1	1U Black SC818GTQ Chassis
<b>Backplane</b>	BPN-SAS-818TQ	1	BPN-SAS-818TQ-O-P
<b>Cable 1</b>	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
<b>Cable 2</b>	CBL-0206L	2	48CM SATA ROUND S-S PBF. 26AWG
<b>Cable 3</b>	CBL-0227L	1	48CM SATA ROUND S-RA PBF.26AWG
<b>Cable 4</b>	CBL-0333L	2	6+2 pin to 8 pin GPU power extension from MB, 30cm. 18/20AWG
<b>Riser Card</b>	RSC-R1U-E16R	1	RSC-R1U-E16R
<b>Riser Card</b>	RSC-R1UG-E16-UP	1	1U LHS Riser Card with one PCI-E x16 for UP GPU MBs
<b>Riser Card</b>	RSC-R1UG-E16R-UP	1	1U RHS Riser Card with 1 PCI-E x16 for UP GPU MB
<b>Heatsink / Retention</b>	SNK-P0047PS	1	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
<b>Power Supply</b>	PWS-1K43F-1R	1	1400W redundant digital power supply
<b>Cable 5</b>	CBL-0087	1	Front Control Cable Round 16 pin to 16 pin Ribbon 20
<b>Fan 1</b>	FAN-0141L4	8	40x40x56 mm 20.5K RPM / 17.6K RPM Counter-rotating Fan
<b>Drive Tray(s)</b>	MCP-220-00075-0B	3	Black gen 5.5 hot-swap 3.5" HDD tray
<b>Drive Tray(s)</b>	MCP-220-83601-0B	1	Black FDD dummy tray support 1x 2.5
<b>Mounting Rails</b>	MCP-290-00054-0N	1	Rail set, quick/quick, optional for 1U 17.2