

# SuperServer 6017TR-TF



## Integrated Board



Super X9DRT-F

Available Colors:

Black



## Key Features

Two systems (nodes) in a 1U form factor. Each node supports the following:

1. Dual Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 256GB DDR3 1600MHz ECC Registered DIMM; 8x DIMM sockets
3. 1x Low-profile PCI-E 3.0 x16 slot
4. I/O ports: 1 VGA, 1 COM, 2 GbE LAN, 2 USB 2.0 ports, 1 dedicated LAN for system management
5. 2x 3.5" Hot-swap SATA3 HDD Bays
6. 1280W Digital Switching Power Supply Platinum Level (95%)

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

## Specifications

### Product SKUs

SYS-6017TR-TF ■ SuperServer 6017TR-TF (Black)

### Motherboard

Super X9DRT-F

### Processor/Cache (per node)

CPU ■ Intel® Xeon® processor E5-2600 family (up to 130W TDP)  
 ■ Dual Socket R (LGA 2011)

Cache ■ Up to 20MB

System Bus ■ QPI up to 8 GT/s

### System Memory (per node)

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 Un-Buffered memory (UDIMM)

Memory Type ■ 1600/1333/1066/800MHz 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-808BT-1K28B

### Dimensions

Width ■ 17.2" (437mm)

Height ■ 1.7" (43mm)

Depth ■ 27.75" (705mm)

Gross Weight ■ 40 lbs (18.1kg)

Available Colors ■ Black

### Front Panel

Buttons ■ Power On/Off button  
 ■ System Reset button

LEDs ■ Power status LED  
 ■ HDD activity LED  
 ■ 2x Network activity LEDs  
 ■ Information LED

### Expansion Slot(s) (per node)

PCI-Express ■ 1x PCI-E 3.0 x16 Low-profile

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® C602J Chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>Via Cable for SATA controller</li> <li>SATA 2.0 (3Gbps) &amp; 3.0 (6Gbps) with RAID 0, 1</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>Nuvoton WPCM450 BMC</li> </ul>
Network Controllers	<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 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201N PHY (dedicated IPMI)</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>Matrox G200eW</li> </ul>
<b>Input / Output (per node)</b>	
Serial ATA	<ul style="list-style-type: none"> <li>2x SATA 3.0 ports (6Gbps)</li> <li>4x SATA 2.0 ports (3Gbps)</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>3x USB 2.0 ports (2x rear + 1x Type A)</li> </ul>
VGA	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>1x Fast UART 16550 ports (rear/header)</li> </ul>

<b>Drive Bays (per node)</b>	
Hot-swap	<ul style="list-style-type: none"> <li>2x 3.5" Hot-swap SATA HDD trays</li> </ul>
<b>Backplane</b>	
1x 1U SAS / SATA backplane	
<b>System Cooling (per node)</b>	
Fans	<ul style="list-style-type: none"> <li>3x 4cm counter-rotating fans w/ optimal fan speed control</li> </ul>
<b>Power Supply with Digital Switching Control &amp; PMBus 1.2</b>	
1280W High-Efficiency (95%+) power supply	
AC Input	<ul style="list-style-type: none"> <li>1000W Output @ 100-140V, 12-8A, 50-60Hz</li> <li>1280W Output @ 180-240V, 8-6A, 50-60Hz</li> </ul>
DC Output	<ul style="list-style-type: none"> <li>1000W: +12V/83A; +5Vsb/4A</li> <li>1280W: +12V/106.7A, +5Vsb/4A</li> </ul>
Certification	  Platinum Certified [ <a href="#">Test Report</a> ]
<b>System BIOS</b>	
BIOS Type	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
BIOS Features	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0 / 3.0 / 4.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.7.1</li> <li>UEFI</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-X9DRT-F	2	Super X9DRT-F Motherboard
	CSE-808BT-1K28B	1	1U Chassis
Backplane	BPN-SAS-808-O-P	1	BPN-SAS-808-O-P
Cable 1	CBL-0201L	1	SATA SET OF 4 51/47/41/37CM. S-RA. 26AWG
Riser Card	RSC-R1U-E16R-O-P	2	RSC-R1U-E16R
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Heatsink / Retention	SNK-P0047PW	2	1U Passive Customized Rear CPU Heat Sink for X9 Twin Series Motherboards
Power Supply	PWS-1K28P-SQ	1	1U 1280W, redundant single output power supply