

# SuperServer 6017R-TDLF



## Integrated Board



Super X9DRD-LF

## Key Features

1. 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 PCI-E 3.0 x16 FHHL Expansion slot
4. Intel® i350 Dual port Gigabit Ethernet
5. 2x 3.5" Hot-swap SATA HDD Bays
6. 350W High-efficiency Power Supply  
**Gold Level Certified**
7. \*Note: **SYS-6017R-TDLF-BULK**  
Available as Cost Optimized, Bulk Packing - 20 systems in one carton

## Available Colors:

Black



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

## Specifications

### Product SKUs

<b>SYS-6017R-TDLF</b>	▪ SuperServer 6017R-TDLF
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### Motherboard

#### Super X9DRD-LF

### Processor/Cache

<b>CPU</b>	▪ Intel® Xeon® processor E5-2600 (up to 95W TDP) ▪ Dual Socket R (LGA 2011)
<b>Cache</b>	▪ Up to 20MB
<b>System Bus</b>	▪ QPI up to 8 GT/s

### System Memory

<b>Memory Capacity</b>	▪ 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)
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### Chassis

<b>Form Factor</b>	▪ 1U Rackmount
<b>Model</b>	▪ <b>CSE-813LT-350CB</b>

### Dimensions

<b>Width</b>	▪ 17.2" (437mm)
<b>Height</b>	▪ 1.7" (43mm)
<b>Depth</b>	▪ 25.6" (650mm)
<b>Gross Weight</b>	▪ 40 lbs (18.14kg)
<b>Available Colors</b>	▪ Black

### Front Panel

<b>Buttons</b>	▪ Power On/Off button ▪ System Reset button
<b>LEDs</b>	▪ Power status LED ▪ HDD activity LED ▪ 2x Network activity LEDs ▪ Universal Information (UID) LED

<b>Memory Type</b>	<ul style="list-style-type: none"> <li>1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs</li> </ul>
<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>Via Cable for SATA controller</li> <li>SATA 3.0 (6Gbps) with RAID 0, 1</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 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201N PHY (dedicated IPMI)</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>Matrox G200eW</li> </ul>

Input / Output	
<b>Serial ATA</b>	<ul style="list-style-type: none"> <li>2x SATA 3.0 ports (6Gbps)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>4x USB 2.0 ports (2 rear, 2 via header)</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
<b>Serial Port / Header</b>	<ul style="list-style-type: none"> <li>1x Fast UART 16550 port (rear)</li> </ul>

Expansion Slots	
<b>PCI-Express</b>	<ul style="list-style-type: none"> <li>1x PCI-E 3.0 x16 Full-height, Half-length</li> </ul>

Drive Bays	
<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>2x 3.5" Hot-swap 3.5" SATA HDD trays</li> </ul>

Backplane	
1x 1U SATA backplane, 2 ports	

System Cooling	
<b>Fans</b>	<ul style="list-style-type: none"> <li>2x 10cm PWM blower fans</li> </ul>

Power Supply	
350W AC power supply w/ PFC	
<b>AC Voltage</b>	<ul style="list-style-type: none"> <li>100-240 V, 50-60 Hz, 4.2-1.8 Amp</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>29 Amp</li> </ul>
<b>+3.3V</b>	<ul style="list-style-type: none"> <li>15 Amp</li> </ul>

<b>Certification</b>		<b>Gold Certified</b>
		[ <a href="#">Test Report</a> ]

System BIOS	
<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>128Mb 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>PCI 2.2</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</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

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X9DRD-LF	1	Super X9DRD-LF Motherboard
	CSE-813LT-350CB	1	1U Chassis
<b>Backplane</b>	BPN-SAS-813LT-O-P	1	2x 3.5" hard drive backplane designed for CSE-813LT-R500CB-BULK
<b>Cable 1</b>	CBL-0182L	1	4 pin to 4 pin power extension .HDD to RA,40cm. 20AWG
<b>Cable 2</b>	CBL-0226L	2	43CM SATA ROUND S-RA PBF 26AWG
<b>Heatsink / Retention</b>	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
<b>Power Supply</b>	PWS-351-1H	1	1U 350W MULTI OUTPUT 80PLUS GOLD PWS
<b>Fan 1</b>	FAN-0135L4	2	97Lx94Wx37H mm 5K RPM SC813 Rev. M Chassis Middle Cooling Blower
<b>Drive Tray(s)</b>	MCP-220-00075-0B	2	Black gen 5.5 hot-swap 3.5" HDD tray
<b>Mounting Rails</b>	MCP-290-00102-0N	1 set	Outer rail, quick-release type
<b>Mounting Rails</b>	MCP-290-00106-0N	1 set	Inner rail, front, quick-release type

### Optional Parts List

	Part Number	Qty	Description
<b>Riser Card</b>	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
<b>Riser Card Bracket</b>	MCP-120-00031-0N	1	Riser card bracket for SC813LT