

SuperServer 6017R-TDLRF



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. 500W Redundant Power Supplies **Platinum Level (94%+)**
7. *Note: **SYS-6017R-TDLRF-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

SYS-6017R-TDLRF	▪ SuperServer 6017R-TDLRF
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Motherboard

Super X9DRD-LF

Processor/Cache

CPU	<ul style="list-style-type: none"> ▪ Dual Socket R (LGA 2011) ▪ Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below: Intel® Xeon® processor E5-2600 (60W to 130W)
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Cache	▪ Up to 20MB
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System Bus	▪ QPI up to 8 GT/s
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System Memory

Memory Capacity	<ul style="list-style-type: none"> ▪ 8x 240-pin DDR3 DIMM sockets ▪ Supports up to 256 GB DDR3 ECC Registered memory (RDIMM)
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Chassis

Form Factor	▪ 1U Rackmount
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Model	▪ CSE-813LT-R500CB
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Dimensions

Width	▪ 17.2" (437mm)
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Height	▪ 1.7" (43mm)
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Depth	▪ 25.6" (650mm)
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Gross Weight	▪ 40 lbs (18.14kg)
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Available Colors	▪ Black
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Front Panel

Buttons	<ul style="list-style-type: none"> ▪ Power On/Off button ▪ System Reset button
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LEDs	<ul style="list-style-type: none"> ▪ Power status LED ▪ HDD activity LED ▪ 2x Network activity LEDs ▪ Universal Information (UID) LED
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	<ul style="list-style-type: none"> Supports up to 64 GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	<ul style="list-style-type: none"> 1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C602 Chipset
SATA	<ul style="list-style-type: none"> Via Cable for SATA controller SATA 3.0 (6Gbps) with RAID 0, 1
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> Matrox G200eW

Input / Output

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

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> 1x PCI-E 3.0 x16 Full-height, Half-length
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Drive Bays

Hot-swap	<ul style="list-style-type: none"> 2x 3.5" Hot-swap 3.5" SATA HDD trays
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Backplane

	<ul style="list-style-type: none"> 1x 1U SATA backplane, 2 ports
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System Cooling

Fans	<ul style="list-style-type: none"> 2x 10cm PWM blower fans
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Power Supply with Power Distributor

	<ul style="list-style-type: none"> 500W high-efficiency (94%+) redundant power supplies w/ PMBus and I²C
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AC Input	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 6.2-2.6 Amp
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DC Output	<ul style="list-style-type: none"> 3 Amp @ +5V standby 42 Amp @ +12V
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With Power Distributor	<ul style="list-style-type: none"> +5V: 25 Amp +3.3V: 12 Amp -12V: 0.6 Amp
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Certification	  Platinum Certified [Test Report]
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System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
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BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) APM 1.2 PCI 2.2 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 UEFI
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Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
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Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRD-LF	1	Super X9DRD-LF Motherboard
	CSE-813LT-R500CB	1	1U Chassis
Backplane	BPN-SAS-813LT-O-P	1	2x 3.5" hard drive backplane designed for CSE-813LT-R500CB-BULK
Cable 1	CBL-0226L	2	43CM SATA ROUND S-RA PBF 26AWG
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-504P-1R	2	500W 1U Redundant PWS W/ 54.5MM Wide
Mounting Rails	MCP-290-00102-0N	1 set	Outer rail, quick-release type
Mounting Rails	MCP-290-00106-0N	1 set	Inner rail, front, quick-release type

Optional Parts List

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