

SuperServer 6027R-TRF



Available Colors:

Black



Integrated Board



Super X9DRi-F

Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets
3. 3x PCI-E 3.0 x16, 3x PCI-E 3.0 x8
4. Intel® i350 Dual port Gigabit Ethernet
5. 2x SATA3 and 8x SATA2 ports
6. 8x Hot-swap 3.5" SATA HDD Bays
7. 740W Redundant Power Supplies **Platinum Level (94%)**

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

Specifications

Product SKUs

SYS-6027R-TRF ■ SuperServer 6027R-TRF (**Black**)

Motherboard

Super X9DRi-F

Processor/Cache

CPU

- Dual Socket R (LGA 2011)
- Intel® Xeon® processor E5-2600 and **E5-2600 v2** family† (up to 130W TDP)

Note † BIOS version 3.0 or above is required

Cache ■ Up to 30MB

System Bus ■ QPI up to 8 GT/s

System Memory

Memory Capacity

- 16x 240-pin DDR3 DIMM sockets
- Up to 1TB DDR3 ECC LRDIMM
- Up to 512GB DDR3 ECC Registered memory (RDIMM)
- Up to 128GB DDR3 ECC Un-Buffered memory (UDIMM)

Memory Type ■ 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

Chassis

Form Factor ■ 2U Rackmount

Model ■ **CSE-825TQ-R740LPB**

Dimensions

Width ■ 17.2" (437mm)

Height ■ 3.5" (89mm)

Depth ■ 25.5" (648mm)

Gross Weight ■ 52 lbs (23.6kg)

Available Colors ■ Black

Front Panel

Buttons

- Power On/Off button
- System Reset button

LEDs


- Power status LED
- Hard drive activity LED
- 2x Network activity LEDs
- System Overheat LED
- Power fail LED

Expansion Slots

PCI-Express

- 3x PCI-E 3.0 x16
- 3x PCI-E 3.0 x8

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
AHCI SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SCU SATA (Storage Controller)	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 10
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	
AHCI SATA	<ul style="list-style-type: none"> 2 SATA 3.0 ports (6Gbps) 4 SATA 2.0 ports (3Gbps)
SCU SATA	<ul style="list-style-type: none"> 4 SATA 2.0 ports (3Gbps)
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"> 11x USB 2.0 ports total (4x rear + 6x via header + 1x Type A)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2x Fast UART 16550 ports

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 8x Hot-swap 3.5" SATA HDD trays
Peripheral Drives	
DVD-ROM	<ul style="list-style-type: none"> Slim DVD-ROM drive (optional)
Backplane	
1x SAS2 / SATA backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 3x 8cm 7k RPM middle fans
Power Supply with Power Distributor	
740W (1+1) Redundant high-efficiency power supply with PMBus	
AC Input	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 9-3.5 Amp
DC Output	<ul style="list-style-type: none"> 4 Amp @ +5V standby 61.7 Amp @ +12V
With Power Distributor	<ul style="list-style-type: none"> +5V: 30 Amp +3.3V: 24 Amp -12V: 0.6 Amp
Certification	 Platinum Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
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
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
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)

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRi-F	1	Super X9DRi-F Motherboard
	CSE-825TQ-R740LPB	1	2U Chassis
Backplane	BPN-SAS-825TQ-O-P	1	BPN-SAS-825TQ-O-P
Cable 1	CBL-0044L	4	SATA CABLE 61CM FLAT S-S PBF. 26AWG flat
Cable 2	CBL-0061L	2	35CM, SATA CABLE, PB FREE, 26AWG, flat
Cable 3	CBL-0157L	2	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Heatsink / Retention	SNK-P0048PS	2	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-741P-1R	2	1U740W Platinum Redundant Single Output
Cooling Fan	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w/ Housing

Optional Parts List			
	Part Number	Qty	Description
DVD option kit	CBL-0210L	-	FDD, DVD, 4-pin power adapter cable, L=8cm
	CBL-0341L		1CH internal 10P to 4P USB 2.0 cable for LCD,DVD, 70cm
	CDM-USATA-G-O-P		mini-SATA to USB adapter for slim DVD
	DVM-TEAC-DVD-SBT2		BLACK TEAC SLIM DVD ROM SATA DRIVE ROHS
Cable	CBL-0176L-02	1	46/33/23/13CM, W/ SB, S