SuperServer 6027R-TRF

Integrated Board

Super X9DRi-F

Available Colors: Black

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ Tested HDD
▸ Manuals ▸ OS Certification Matrix ▸ Quick-References

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. 3 PCI-E 3.0 x16, 3 PCI-E 3.0 x8 slots
4. Intel® i350 Dual port Gigabit Ethernet
5. 2x SATA3 and 8x SATA2 ports
6. 8x 3.5" Hot-swap 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
DIMM Sizes	32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	1.5 V, 1.35 V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices	
Chipset	Intel® C602 Chipset
AHCI SATA	SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SCU SATA (Storage Controller)	SATA 2.0 3Gbps with RAID 0, 1, 10
IPMI	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	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	Matrox G200eW

Input / Output	
AHCI SATA	2 SATA 3.0 ports (6Gbps) 4 SATA 2.0 ports (3Gbps)
SCU SATA	4 SATA 2.0 ports (3Gbps)
LAN	2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	2x Front USB 2.0 + 4x Rear USB 2.0 ports MB: 4x rear + 6x via header + 1x Type A
VGA	1x VGA port
Serial Port / Header	2x Fast UART 16550 ports

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

Drive Bays	
Hot-swap	8x 3.5" Hot-swap SATA HDD trays

Peripheral Drives	
DVD-ROM	Slim DVD-ROM drive (optional)

Backplane
1x SAS2 / SATA backplane

System Cooling	
Fans	3x 8cm 7k RPM middle fans

Power Supply with Power Distributor	
740W (1+1) Redundant high-efficiency power supply with PMBus	
AC Input	100-240 V, 50-60 Hz, 9-3.5 Amp
DC Output	4 Amp @ +5V standby 61.7 Amp @ +12V
With Power Distributor	+5V: 30 Amp +3.3V: 24 Amp -12V: 0.6 Amp
Certification	80 PLUS PLATINUM — **Platinum Certified** [Test Report]

System BIOS	
BIOS Type	128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	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	RoHS Compliant
Environmental Spec.	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

See Parts List

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