

SuperServer 6027R-3RF4+

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Available Colors: Black

Integrated Board



Super X9DR3-LN4F+

Key Features

- Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
- Up to 1.5TB ECC DDR3, up to 1866MHz; 24x DIMM sockets
- 4x PCI-E 3.0 x16 (low-profile)
1x PCI-E 3.0 x8 (low-profile)
1x PCI-E 3.0 x4 (in x8)
- Intel® i350 GbE Controller; 4x ports
- 8x Hot-sw ap 3.5" SAS/SATA HDD Bays
- 740W Redundant Pow er Supplies
Platinum Level (94%)

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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-3RF4+	SuperServer 6027R-3RF4+ (Black)
Motherboard	
Super X9DR3-LN4F+	
Processor/Cache	
CPU	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 24x 240-pin DDR3 DIMM sockets Up to 1.5TB DDR3 ECC LRDIMM Up to 768GB 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	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	Intel® C606 Chipset
SATA	<ul style="list-style-type: none"> Via Cable for SATA controller SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SAS	<ul style="list-style-type: none"> SAS from C606 RAID 0, 1, 10 support
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 w ith virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350 Quad 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	
Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 4x SATA 2.0 ports (3Gbps)
SAS	8x SAS ports
LAN	<ul style="list-style-type: none"> 4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x Front USB 2.0 + 4x Rear USB 2.0 ports MB: 4x rear + 4x via header + 1x Type A
VGA	1x VGA port
Serial Port / Header	1x Fast UART 16550 port / 1 Header

Chassis	
Form Factor	2U Rackmount
Model	CSE-825TQ-R740LPB
Dimensions	
Width	17.2" (437mm)
Height	3.5" (89mm)
Depth	25.5" (648mm)
Gross Weight	69 lbs (31.2 kg)
Available Colors	Black
Front Panel	
Buttons	<ul style="list-style-type: none"> Power On/Off button System Reset button
LEDs	<ul style="list-style-type: none"> Power status LED Hard drive activity LED 2x Network activity LEDs System info. LED: UID indicator, fan fail/System Overheat Power fail LED
Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> 4x PCI-E 3.0 x16 (low-profile, full-length) 1x PCI-E 3.0 x8 (low-profile, full-length) 1x PCI-E 3.0 x4 (in x8) (low-profile, full-length)
Drive Bays	
Hot-sw ap	8x Hot-sw ap 3.5" SAS / 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 pow er supply w ith PMBus	
AC Input	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	128Mb SPI Flash EEPROM w ith 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	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

[See Parts List](#)