

SuperServer 6027R-3RF4+



Available Colors:

Black



Integrated Board



Super X9DR3-LN4F+

Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
2. Up to 1.5TB ECC DDR3, up to 1866MHz; 24x DIMM sockets
3. 4x PCI-E 3.0 x16 (low-profile)
1x PCI-E 3.0 x8 (low-profile)
1x PCI-E 3.0 x4 (in x8)
4. Intel® i350 GbE Controller; 4x ports
5. 8x Hot-swap 3.5" SAS/SATA HDD Bays
6. 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-3RF4+	■ SuperServer 6027R-3RF4+ (Black)
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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)
	■ 1866/1600/1333/1066/800MHz ECC

Chassis

Form Factor	■ 2U Rackmount
Model	■ <u>CSE-825TQ-R740LPB</u>

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

- 4x PCI-E 3.0 x16 (low-profile, full-length)

Memory Type	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® 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 with 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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"> 9x USB 2.0 ports total (4x rear + 4x via header + 1x Type A)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 port / 1 Header

PCI-Express	<ul style="list-style-type: none"> 1x PCI-E 3.0 x8 (low-profile, full-length) 1x PCI-E 3.0 x4 (in x8) (low-profile, full-length)
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Drive Bays

Hot-swap	<ul style="list-style-type: none"> 8x Hot-swap 3.5" SAS / SATA HDD trays
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Peripheral Drives

DVD-ROM	<ul style="list-style-type: none"> Slim DVD-ROM drive (optional)
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Backplane

1x SAS2 / SATA backplane

System Cooling

Fans	<ul style="list-style-type: none"> 3x 8cm 7k RPM middle fans
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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
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DC Output	<ul style="list-style-type: none"> 4 Amp @ +5V standby 61.7 Amp @ +12V
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With Power Distributor	<ul style="list-style-type: none"> +5V: 30 Amp +3.3V: 24 Amp -12V: 0.6 Amp
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Certification



Platinum Certified
[[Test Report](#)]

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-X9DR3-LN4F+	1	Super X9DR3-LN4F+ Motherboard
	CSE-825TQ-R740LPB	1	2U Chassis
Backplane	BPN-SAS-825TQ-O-P	1	BPN-SAS-825TQ-O-P
Cable 1	CBL-0176L-02	2	IPASS TO 4 SATA 46/33/23/13CM W/ SB, S 30AWG
Heatsink / Retention	SNK-P0048P	2	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Square ILM
Power Supply	PWS-741P-1R	2	1U740W Platinum Redundant Single Output