

SuperServer 5027R-WRF

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Integrated Board



[Super X9SRW-F](#)

Available Colors:

Black



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Key Features

1. Single socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600/1600 v2 family**[†]
2. Intel® C602 Chipset
3. 8x 3.5" Hot-sw ap drive bays
4. Up to 512GB ECC DDR3, up to 1866MHz; 8x DIMM slots
5. Expansion slots (PCI-E 3.0):
4 x8 Full-height & 1 x8 Low -profile
6. Intel® i350 Dual Port Gigabit Ethernet
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. SATA3 (6Gbps) w/ RAID 0, 1, 5, 10
SATA2 (3Gbps) w/ RAID 0, 1, 5, 10
9. 500W Redundant Pow er Supplies
Platinum Level (94%+)
10. SATA Disk-on-module (DOM) power connector

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

Specifications

Product SKUs

SYS-5027R-WRF SuperServer 5027R-WRF (Black)

Motherboard

[Super X9SRW-F](#)

Processor/Cache

CPU	Single Socket R (LGA 2011)
	Intel® Xeon® processor E5-2600 and E5-2600/1600 v2 family [†]
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	8x 240-pin DDR3 DIMM slots
	Supports up to 256 GB DDR3 ECC Registered memory (RDIMM)
Memory Type	Supports up to 64 GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)
	1600/1333/1066MHz 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
SATA	SATA 2.0 3Gbps with RAID 0, 1, 5, 10
	SATA 3.0 6Gbps with RAID 0, 1, 5, 10
IPMI	Support for Intelligent Platform Management Interface v.2.0
	IPMI 2.0 w/ virtual media over LAN and KVM-over-LAN support
	Nuvoton WPCM450RA0BX
Network Controllers	Intel® i350 Dual port GbE LAN
	Virtual Machine Device Queues reduce I/O overhead
	Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
VGA	1x Realtek RTL8201N PHY (dedicated IPMI)
	Matrox G200eW 16MB DDR2 graphics controllers

Input / Output

SATA	2x SATA 3.0 ports (6Gbps)
	4x SATA 2.0 ports (3Gbps)
SCU	4x SATA ports (3Gbps) via SCU
LAN	2x RJ45 LAN ports
	1x RJ45 Dedicated IPMI LAN port
USB	8x USB 2.0 ports total (4 rear + 4 via headers)
VGA	1x VGA port
Serial Port / Header	1x Fast UART 16550 serial port
	1x internal header

Chassis

Form Factor	2U Rackmount
Model	CSE-825TQ-R500WB

Dimensions

Height	3.5" (88.9mm)
Width	17.2" (437mm)
Depth	25.5" (648mm)
Gross Weight	36 lbs (16.3kg)
Available Colors	Black

Front Panel

Buttons	Power On/Off button
	System Reset button
LEDs	Power LED
	Hard drive activity LED
	2x Network activity LEDs
	System Overheat LED

Expansion Slots

PCI-Express	4x PCI-E 3.0 x8 Full-height slots
	1x PCI-E 3.0 x8 Low -profile slot
	U10 AOC Compatibility Matrix

Drive Bays

Hot-sw ap	8x 3.5" Hot-sw ap drive bays
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Backplane

SAS/SATA HDD Backplane
(SAS support requires optional SAS controller)

System Cooling

Fans	3x 80x80x38mm 7K RPM Cooling fans
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Power Supply with Power Distributor

500W high-efficiency redundant power supplies with PMBus

AC Input	100-240 V, 50-60 Hz, 6.1-2.6 Amp
DC Output	4 Amp @ +5V standby
	41.7 Amp @ +12V

With Power Distributor	+5V: 30 Amp
	+3.3V: 24 Amp
	-12V: 0.6 Amp

Certification	  Platinum Certified [Test Report]
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System BIOS

BIOS Type	8MB SPI Flash EEPROM w/ AMI BIOS
	DMI 2.3
BIOS Features	PCI 2.3
	ACPI 1.0 / 2.0
	USB Keyboard support
	SMBIOS 2.3

Operating Environment / Compliance

RoHS	RoHS Compliant
	Operating Temperature: 10°C to 35°C (50°F to 95°F)
Environmental Spec.	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](#)