

SuperServer 5017R-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. 4x 3.5" Hot-swap drive bays
4. Up to 512GB ECC DDR3, up to 1866MHz; 8x DIMM slots
5. Expansion slots (PCI-E 3.0): 2 x16 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 Power 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-5017R-WRF ■ SuperServer 5017R-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 - Up to 512GB DDR3 ECC LRDIMM - Up to 256GB DDR3 ECC Registered memory (RDIMM) - up to 64GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)
Memory Type	1866/1600/1333/1066MHz 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)
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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 with virtual media over LAN and KVM-over-LAN support - Renesas SH7757 BMC
Network	- Intel® i350 Dual port GbE LAN - Virtual Machine Device Queues reduce I/O overhead

Chassis

Form Factor	1U Rackmount
Model	CSE-815TQ-R500WB
Dimensions	
Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	25.6" (650mm)
Weight	- Net Weight: 23.5 lbs (10.7 kg) - Gross Weight: 36 lbs (16.3 kg)
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	2x PCI-E 3.0 x16 Full-height slots 1x PCI-E 3.0 x8 Low-profile slot UIO AOC Compatibility Matrix
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Drive Bays

Hot-swap	4x 3.5" Hot-swap drive bays
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Backplane

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

System Cooling

Fans	3x 4cm Counter-rotating PWM fans
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Power Supply

500W Redundant High-Efficiency Power Supplies w/ Power Distributor, PMBus 1.2, I²C, and PFC

AC Input	100-240V, 50-60Hz, 6.1-2.6A
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DC Output	+5V standby: 3A +12V: 42A
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With Power Distributor	+5V: 25 Amp +3.3V: 12 Amp -12V: 0.6 Amp
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Controllers	■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ■ 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	■ Matrox G200eW 16MB DDR2 graphics controllers
Input / Output	
SATA	■ 2 SATA 3.0 ports (6Gbps) ■ 4 SATA 2.0 ports (3Gbps)
LAN	■ 2x RJ45 LAN ports ■ 1x RJ45 Dedicated IPMI LAN port
USB	■ B 2.0 ports total (4 rear + 4 via headers)
VGA	■ 1x VGA port
Serial Port / Header	■ 1x Fast UART 16550 serial port

Certification   Platinum Certified [Test Report]	
System BIOS	
BIOS Type	■ 8MB SPI Flash EEPROM with AMI BIOS
BIOS Features	■ DMI 2.3 ■ PCI 2.3 ■ ACPI 1.0 / 2.0 ■ USB Keyboard support ■ SMBIOS 2.3
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](#)