

SuperServer 1027R-WRF

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Integrated Board



Super X9DRW-iF



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 slots
3. Add on card support: 2x PCI-E 3.0 x16 full-height, Half-length slots
4. Intel® i350 Dual port Gigabit Ethernet Controller; 2x LAN ports
5. 8x Hot-swap 2.5" SATA HDD bays for Customizable Storage
6. 700W Redundant Power Supplies **Gold Level Certified**

Available Colors:

Black



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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-1027R-WRF ■ SuperServer 1027R-WRF (Black)

Motherboard

Super X9DRW-iF

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 slots
 ■ Up to 1TB DDR3 ECC LRDIMM
 ■ Up to 512GB DDR3 ECC Registered memory (RDIMM)
 ■ Up to 128GB DDR3 ECC and non-ECC 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
SATA ■ SATA 2.0 3Gbps with RAID 0, 1, 5, 10
 ■ SATA 3.0 6Gbps with RAID 0, 1
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
 ■ Intel® i350 Dual Port Gigabit Ethernet Controller

Chassis

Form Factor ■ 1U Rackmount
Model ■ **CSE-113TQ-R700WB**

Dimensions

Width ■ 17.2" (437mm)
Height ■ 1.7" (43mm)
Depth ■ 23.5" (597mm)
Gross Weight ■ 46 lbs (20.9kg)
Available Colors ■ Black

Front Panel

Buttons ■ Power On/Off button
 ■ System Reset button
 ■ UID button
LEDs ■ Power status LED
 ■ HDD activity LED
 ■ 2x Network activity LEDs
 ■ Universal Information (UID) LED

Expansion Slots

■ 2 PCI-E 3.0 x16 full-height, Half-length slots
 ■ [UIO AOC Compatibility Matrix](#)

PCI-Express

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and [AOC Support](#) for details.)

Drive Bays

Hot-swap ■ 8 Hot-swap 2.5" SAS / SATA HDD trays (ready for PCI-E storage controller card)

Peripheral Drives

DVD-ROM ■ Slim DVD-ROM drive (optional)

Backplane

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

System Cooling

Network Controllers	<ul style="list-style-type: none">Virtual Machine Device Queues reduce I/O overheadSupports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output1x Realtek RTL8211E PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none">G200 (Renesas SH7757 BMC)
Input / Output	
SATA/SAS	<ul style="list-style-type: none">Customizable storage
LAN	<ul style="list-style-type: none">2x RJ45 Gigabit Ethernet LAN ports1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none">6x USB 2.0 ports total (4x rear + 2x via header)
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

Fans	<ul style="list-style-type: none">5x 4cm Counter-rotating PWM Fans
Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
AC Voltage	<ul style="list-style-type: none">700W: 100 - 140 V, 50-60 Hz, 8.5-6 Amp750W: 180 - 240V, 60-50 Hz, 5-3.8 Amp
DC Output +5V standby	<ul style="list-style-type: none">3 Amp
DC Output +12V	<ul style="list-style-type: none">700W: 58 Amp @ 100-140V750W: 62 Amp @ 180-240V
With Power Distributor	<ul style="list-style-type: none">+5V: 25 Amp+3.3V: 12 Amp-12V: 0.6 Amp
Certification	<div> Gold Certified</div>
System BIOS	
BIOS Type	<ul style="list-style-type: none">128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none">Plug and Play (PnP)APM 1.2PCI 2.2ACPI 1.0 / 2.0 / 3.0 / 4.0BIOS resume hot keysUSB Keyboard supportSMBIOS 2.3UEFI
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none">RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none">Operating Temperature: 5°C to 35°C (41°F to 95°F)Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)Operating Relative Humidity: 8% to 90% (non-condensing)Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List

[See Parts List](#)