



SuperServer 1027R-WRFT+

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Integrated Board



Super X9DRW-3TF+

Available Colors:

Black



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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 slots
3. 1 PCI-E 3.0 (x8) Low-profile, 1 PCI-E 3.0 (x16) & 1 PCI-E 3.0 (x8) Full-height slots (see below for details)
4. Intel i350 Dual port GbE & Intel X540 Dual port 10GBase-T Controllers
5. 8x Hot-swap 2.5" SAS/SATA HDD bays for Customizable Storage
6. 750/700W Redundant power supplies
Gold Level Certified

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-WRFT+ ■ SuperServer 1027R-WRFT+ (Black)

Motherboard

Super X9DRW-3TF+

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 ■ 24x 240-pin DDR3 DIMM slots
■ Up to 1.5TB DDR3 ECC LRDIMM
■ Up to 768GB 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® C606 Chipset

SATA ■ SATA 2.0 3Gbps with RAID 0, 1, 5, 10
■ SATA 3.0 6Gbps with RAID 0, 1

SAS ■ SAS from C606
■ RAID 0, 1, 10 support

IPMI ■ 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 ■ Intel® X540 Dual Port 10GBase-T
■ Intel® i350 Dual Port Gigabit Ethernet
■ Virtual Machine Device Queues reduce I/O overhead
■ Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output
■ 1x Realtek RTL8201N PHY (dedicated IPMI)

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-119TQ-R700WB**

Dimensions

Width ■ 17.2" (437mm)

Height ■ 1.7" (43mm)

Depth ■ 26.6" (676mm)

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

- 1 PCI-E 3.0 (x16) Full-height (10" length)
- 1 PCI-E 3.0 (x8) Full-height (6.6" length)
- 1 PCI-E 3.0 (x8) Low-profile (4.1" length)
- [U10 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

Fans ■ 6x 4cm Counter-rotating PWM fans

Power Supply

700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C

Graphics	■ Matrox G200eW
Input / Output	
SAS/SATA	■ Customizable storage
LAN	■ 2x RJ45 10GBase-T ports ■ 2x RJ45 Gigabit Ethernet LAN ports ■ 1x RJ45 Dedicated IPMI LAN port
USB	■ 7x USB 2.0 ports total (2x rear + 4x via header + 1x Type A)
Video	■ 1x VGA port
Serial Port / Header	■ 1x Fast UART 16550 port / 1 Header

AC Input	■ 700W: 100-140 V, 50-60 Hz, 8.5-6 Amp ■ 750W: 180-240 V, 60-50 Hz, 5-3.8 Amp
DC Output +5V standby	■ 3 Amp
DC Output +12V	■ 700W: 58 Amp @ 100-140V ■ 750W: 62 Amp @ 180-240V
With Power Distributor	■ +5V: 25 Amp ■ +3.3V: 25 Amp ■ -12V: 0.6 Amp
Certification	 Gold Certified

System BIOS	
BIOS Type	■ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	■ 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.	■ 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](#)