SuperServer 1027R-WRF4+

Integrated Board

Super X9DRW-3LN4F+

Available Colors: Black

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ Tested HDD
▸ Manuals ▸ OS Certification Matrix ▸ Quick-References

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. 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 Gigabit Ethernet (4x ports)
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-WRF4+	▪ SuperServer 1027R-WRF4+ (**Black**)

Motherboard	
Super X9DRW-3LN4F+	

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 sockets ▪ 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® i350 Gigabit Ethernet Controller ▪ 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	▪ Matrox G200eW

Input / Output	
SAS/SATA	▪ Customizable storage
LAN	▪ 4x 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)
VGA	▪ 1x VGA port
Serial Port / Header	▪ 1x Fast UART 16550 port / 1 Header

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	
PCI-Express	▪ 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) ▪ UIO AOC Compatibility Matrix (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	
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	80 PLUS GOLD 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

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