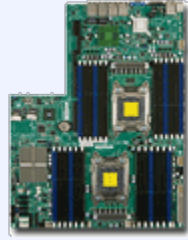


SuperServer 1027R-WRF4+



Integrated Board



Super X9DRW-3LN4F+

Available Colors:

Black



Key Features

1. Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 768GB DDR3 1600MHz* ECC Registered DIMM; 24x DIMM sockets
* Depends on memory configuration
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+	<ul style="list-style-type: none"> SuperServer 1027R-WRF4+ (Black)
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Motherboard

Super X9DRW-3LN4F+

Processor/Cache

CPU	<ul style="list-style-type: none"> Intel® Xeon® processor E5-2600 family (up to 130W TDP) Dual Socket R (LGA 2011)
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Cache	<ul style="list-style-type: none"> Up to 20MB
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System Bus	<ul style="list-style-type: none"> QPI up to 8 GT/s
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System Memory

Memory Capacity	<ul style="list-style-type: none"> 24x 240-pin DDR3 DIMM sockets Supports up to 768 GB DDR3 ECC Registered memory (RDIMM) in 24 DIMM sockets Supports up to 192 GB DDR3 ECC Un-Buffered memory (UDIMM) in 24 DIMM sockets
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Memory Type	<ul style="list-style-type: none"> 1600*/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
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Chassis

Form Factor	<ul style="list-style-type: none"> 1U Rackmount
Model	<ul style="list-style-type: none"> CSE-119TQ-R700WB

Dimensions

Width	<ul style="list-style-type: none"> 17.2" (437mm)
Height	<ul style="list-style-type: none"> 1.7" (43mm)
Depth	<ul style="list-style-type: none"> 26.6" (676mm)
Gross Weight	<ul style="list-style-type: none"> 46 lbs (20.9kg)
Available Colors	<ul style="list-style-type: none"> Black

Front Panel

Buttons	<ul style="list-style-type: none"> Power On/Off button System Reset button UID button
LEDs	<ul style="list-style-type: none"> 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)

DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C606 Chipset
SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1
SAS	<ul style="list-style-type: none"> SAS from C606 RAID 0, 1, 10 support
IPMI	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Matrox G200eW

Input / Output

SAS/SATA	<ul style="list-style-type: none"> Customizable storage
LAN	<ul style="list-style-type: none"> 4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 7x USB 2.0 ports total (2x rear + 4x via header + 1x Type A)
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

PCI-Express	<ul style="list-style-type: none"> 1 PCI-E 3.0 (x8) Low-profile (4.1" length) UIO AOC Compatibility Matrix <p>(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.)</p>
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Drive Bays

Hot-swap	<ul style="list-style-type: none"> 8 Hot-swap 2.5" SAS / SATA HDD trays (ready for PCI-E storage controller card)
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Peripheral Drives

DVD-ROM	<ul style="list-style-type: none"> Slim DVD-ROM drive (optional)
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Backplane

SAS/SATA HDD Backplane	<ul style="list-style-type: none"> (SAS support requires optional SAS controller)
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System Cooling

Fans	<ul style="list-style-type: none"> 6x 4cm Counter-rotating PWM fans
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Power Supply

700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
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AC Input	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 3 Amp
DC Output +12V	<ul style="list-style-type: none"> 700W: 58 Amp @ 100-140V 750W: 62 Amp @ 180-240V
With Power Distributor	<ul style="list-style-type: none"> +5V: 25 Amp +3.3V: 25 Amp -12V: 0.6 Amp

Certification



[Gold Certified](#)

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 1.2 PCI 2.2 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 UEFI

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

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRW-3LN4F+	1	Super X9DRW-3LN4F+ Motherboard
	CSE-119TQ-R700WB	1	1U Chassis
Backplane	BPN-SAS-113TQ-O-P	1	BPN-SAS-113TQ-O-P
Cable 1	CBL-0288L-01	1	IPASS TO 4 SATA 70/60/50/50CM, W/ 70CM SB, RA ,30AWG
Cable 2	CBL-0388L-01	1	IPASS TO 4 SATA 75/75/90/90CM W/ 75cm SB. RA. 30AWG
Riser Card	RSC-R1UW-2E16-O-P	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R-O-P	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-703P-1R	2	1U REDUNDANT PWS 50MM W PMBUS GOLD EFFICIENCY 50MM
Rail Set	MCP-290-00062-0N	1 set	Rail set, quick/quick, default for 1U 17.2"W SC819,119

Optional Parts List

	Part Number	Qty	Description
Storage Controller Card(s) (PCI-E Only)	-	-	Please refer to our Storage Add-on Card Table
Network Card (PCI-E Only)	-	-	Please refer to our Network Add-on Card Table
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT1 DVM-TEAC-DVD-SBT2 DVM-PLDS-DVDRW-SBT2 DVM-TEAC-DVDRW-SBT1	1	SLIM DVD-ROM / DVD-RW SATA DRIVE
DVD-ROM Accessory	MCP-220-81502-0N	1	Slim SATA DVD kit
Internal 2.5" HDD Tray (DVD Slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" HDD