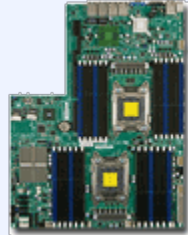


# SuperServer 1027R-WRFT+



## Integrated Board



**Super X9DRW-3TF+**

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 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+	<ul style="list-style-type: none"> <li>SuperServer 1027R-WRFT+ (Black)</li> </ul>
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### Motherboard

Super X9DRW-3TF+

### Processor/Cache

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

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

Form Factor	<ul style="list-style-type: none"> <li>1U Rackmount</li> </ul>
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Model	<ul style="list-style-type: none"> <li><a href="#">CSE-119TQ-R700WB</a></li> </ul>
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### Dimensions

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

Buttons	<ul style="list-style-type: none"> <li>Power On/Off button</li> <li>System Reset button</li> <li>UID button</li> </ul>
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LEDs	<ul style="list-style-type: none"> <li>Power status LED</li> <li>HDD activity LED</li> <li>2x Network activity LEDs</li> <li>Universal Information (UID) LED</li> </ul>
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### 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"> <li>32GB, 16GB, 8GB, 4GB, 2GB, 1GB</li> </ul>
Memory Voltage	<ul style="list-style-type: none"> <li>1.5 V, 1.35 V</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>

#### On-Board Devices

Chipset	<ul style="list-style-type: none"> <li>Intel® C606 Chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA 2.0 3Gbps with RAID 0, 1, 5, 10</li> <li>SATA 3.0 6Gbps with RAID 0, 1</li> </ul>
SAS	<ul style="list-style-type: none"> <li>SAS from C606</li> <li>RAID 0, 1, 10 support</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>Nuvoton WPCM450 BMC</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Intel® X540 Dual Port 10GBase-T</li> <li>Intel® i350 Dual Port Gigabit Ethernet</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201N PHY (dedicated IPMI)</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>Matrox G200eW</li> </ul>

#### Input / Output

SAS/SATA	<ul style="list-style-type: none"> <li>Customizable storage</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2x RJ45 10GBase-T ports</li> <li>2x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>7x USB 2.0 ports total (2x rear + 4x via header + 1x Type A)</li> </ul>
Video	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>1x Fast UART 16550 port / 1 Header</li> </ul>

PCI-Express	<ul style="list-style-type: none"> <li>1 PCI-E 3.0 (x8) Low-profile (4.1" length)</li> <li><a href="#">UIO AOC Compatibility Matrix</a> (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and <a href="#">AOC Support</a> for details.)</li> </ul>
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#### Drive Bays

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

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

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

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

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

AC Input	<ul style="list-style-type: none"> <li>700W: 100-140 V, 50-60 Hz, 8.5-6 Amp</li> <li>750W: 180-240 V, 60-50 Hz, 5-3.8 Amp</li> </ul>
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DC Output +5V standby	<ul style="list-style-type: none"> <li>3 Amp</li> </ul>
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DC Output +12V	<ul style="list-style-type: none"> <li>700W: 58 Amp @ 100-140V</li> <li>750W: 62 Amp @ 180-240V</li> </ul>
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With Power Distributor	<ul style="list-style-type: none"> <li>+5V: 25 Amp</li> <li>+3.3V: 25 Amp</li> <li>-12V: 0.6 Amp</li> </ul>
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Certification



[Gold Certified](#)

#### System BIOS

BIOS Type	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
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BIOS Features	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.2</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</li> </ul>
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#### Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
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Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 5°C to 35°C (41°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>
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## Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRW-3TF+	1	Super X9DRW-3TF+ 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 <a href="#">Storage Add-on Card Table</a>
Network Card (PCI-E Only)	-	-	Please refer to our <a href="#">Network Add-on Card Table</a>
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