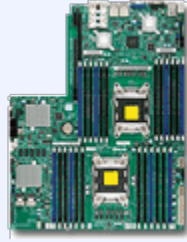


SuperServer 2027R-72RFTP+



Integrated Board



Super X9DRW-7TPF+

Available Colors:

Black



Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600
2. Up to 1.5TB ECC DDR3, up to 1866MHz; 24x DIMM sockets
3. Riser card support:
Left side - 1 (x16) & 2 (x8) PCI-E 3.0
Right side - 2 (x8) PCI-E 3.0
4. Intel® 82599 Dual port 10G SFP+ & Intel® i350 Dual port GbE controllers
5. 16x Hot-swap 2.5" SAS/SATA HDD Bays*; 8x SAS2 ports support via LSI 2208*
6. 920W Redundant Power Supplies
Platinum Level (94%)

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

- SYS-2027R-72RFTP+** ■ SuperServer 2027R-72RFTP+ (Black)

Motherboard

Super X9DRW-7TPF+

Processor/Cache

- CPU** ■ Dual Socket R (LGA 2011)
■ Intel® Xeon® processor E5-2600 (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 192GB DDR3 ECC Un-Buffered memory (UDIMM)
- Memory Type** ■ 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

Chassis

- Form Factor** ■ 2U Rackmount
- Model** ■ **CSE-219A-R920WB**

Dimensions

- Width** ■ 17.2" (437mm)
- Height** ■ 3.5" (89mm)
- Depth** ■ 26.93" (684mm)
- Gross Weight** ■ 52 lbs (23.6kg)
- Available Colors** ■ Black

Front Panel

- Buttons** ■ Power On/Off button
■ System Reset button
- LEDs** ■ Power status LED
■ Hard drive activity LED
■ 2x Network activity LEDs
■ System Overheat LED
■ Power fail LED

Expansion Slots (via riser card)

- Left: 1 PCI-E 3.0 (x16), 2 PCI-E 3.0 (x8)
Full-height

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® C602J chipset
SAS	<ul style="list-style-type: none"> SAS2 from LSI 2208 (1GB cache) HW RAID 0, 1, 5, 6, 10, 50, 60 support Supports up to 16 drives
SATA	<ul style="list-style-type: none"> Via Cable for SATA controller SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1
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® 82599 Dual Port 10G SFP+ Intel® i350 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10G SFP+, 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	<ul style="list-style-type: none"> 8x SAS2 ports (6Gbps)
LAN	<ul style="list-style-type: none"> 2x SFP+ 10GbE LAN ports 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 5x USB 2.0 ports total (2x rear + 2x 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

- Right: 2 PCI-E 3.0 (x8) Low-profile
- Please refer [here](#) for AOC Support details
- [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**
- 16x Hot-swap 2.5" SAS / SATA HDD trays (optional Storage controller card*)

Peripheral Drives

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

Backplane

1x SAS2 / SATA backplane

System Cooling

- Fans**
- 4x 8cm heavy duty PWM fans

Power Supply with Power Distributor

920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C

- AC Input**
- 100-240 V, 50-60 Hz, 11-4.5 Amp

- DC Output**
- 4 Amp @ +5V standby
 - 75 Amp @ +12V

Certification



Platinum Certified
[[Test Report](#)]

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: 10°C to 35°C (50°F to 95°F)
- Non-operating Temperature: -40°C to 70°C (-40°F to 158°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-7TPF+	1	Super X9DRW-7TPF+ Motherboard
	CSE-219A-R920WB	1	2U Chassis
Backplane	BPN-SAS-213A	1	Sup 16x2.5" hot-swap SAS/SATA hdd; iPass ácon
Cable 1	CBL-0108L-02	2	IPASS TO IPASS 39CM PBF
Cable 2	CBL-0281L-01	2	Ipass to Ipass cable 75cm 30AWG
Riser Card	RSC-R2UW-2E8E16-O-P	1	RSC-R2UW-2E8E16
Riser Card	RSC-R2UW-2E8R-O-P	1	RSC-R2UW-2E8R-O-P
Heatsink / Retention	SNK-P0048PSC	2	2U Passive CPU HS for 2U WIO+ Servers
Power Supply	PWS-920P-SQ	2	920W 1U Redundant PWS W/ Quiet Mode
Rail Set	MCP-290-00053-0N	1 set	Rail set, quick/quick, default for 2,3U 17.2"W

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
Internal 3.5" HDD Tray Included (5.25" slot)	MCP-220-00009-01	-	Black 5.25" drive tray w/o rail
Internal 2.5" HDD Tray Included (COM slot)	MCP-220-00023-01	-	Black USB dummy tray support 1x 2.5" slim HDD
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
USB/COM Port Tray	MCP-220-00007-01	1	Black USB/COM port tray
Internal 2.5" HDD Tray (DVD Slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" HDD