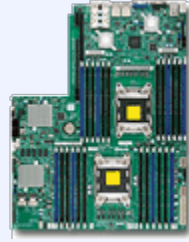


SuperServer 6027R-72RFTP+



Integrated Board



Super X9DRW-7TPF+

Available Colors:

Black



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. 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. 10x Hot-swap 3.5" SAS/SATA HDD Bays; 8x SAS2 ports support via LSI 2208; 2x ports SATA3 via Intel C602J
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-6027R-72RFTP+** ■ SuperServer 6027R-72RFTP+ (Black)

Motherboard

Super X9DRW-7TPF+

Processor/Cache

- CPU**
- Dual Socket R (LGA 2011)
 - Intel® Xeon® processor E5-2600 and **E5-2600 v2** family† (up to 135W 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 Un-Buffered memory (UDIMM)

Chassis

Form Factor ■ 2U Rackmount

Model ■ **CSE-829BTQ-R920WB**

Dimensions

Width ■ 17.2" (437mm)

Height ■ 3.5" (89mm)

Depth ■ 27.75" (705mm)

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

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	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
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	
Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps)
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

PCI-Express	<ul style="list-style-type: none"> Right: 2 PCI-E 3.0 (x8) Low-profile Please refer here for AOC Support details 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>
Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 10 Hot-swap 3.5" SAS / SATA HDD trays (connected to onboard storage controller - 2x SATA3, 8x SAS)
Peripheral Drives	
DVD-ROM	<ul style="list-style-type: none"> Slim DVD-ROM drive (optional)
Backplane	
1x SAS2 / SATA backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	<ul style="list-style-type: none"> 4 Amp @ +5V standby 75 Amp @ +12V
Certification	  Platinum Certified [Test Report]
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: 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-829BTQ-R920WB	1	2U Chassis
Backplane	BPN-SAS-829BTQ	1	10 HDD BPN, SGPIO only support; added precharged resistor for hot-swap
Cable 1	CBL-0157L-01	1	8 pin to 8 pin ribbon SGPIO cable with tube, 61.5cm, PBF
Cable 2	CBL-0230L	2	65CM SATA ROUND S-RA PBF. 26AWG
Cable 3	CBL-0278L-01	1	IPASS TO 4 SATA RA 64/54/44/34CM W/64CM SB, RA. 30AWG
Cable 4	CBL-0287L-01	1	IPASS TO 4 SATA 43/43/33/33CM, W/ 43cm SB, RA ,30AWG
Cable 5	CBL-CDAT-0527	1	4 pin to 4 pin 15cm LAN3/4 LED extension cable for 829B with X9DRW-7TPF+. 26AWG.,RoHS/REACH,PBF
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
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