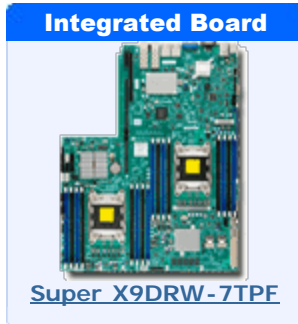


SuperServer 1027R-72BRFTP



Redundant PWS-206B-16 (200W)
Battery Backup Power (BBP™) Modules



Super X9DRW-7TPF

Available Colors:

Black



Key Features

1. Battery Backup Power (redundant)
2. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
3. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM slots
4. 1 (x8) PCI-E 3.0 Low-profile, 2 (x16) PCI-E 3.0 Full-height slots (see specifications below for details)
5. Intel® i350 Dual port GbE controller
Broadcom BCM57810S 10Gb SFP+
6. 8x Hot-swap 2.5" SAS/SATA HDD bays connected to onboard LSI 2208 HW RIAD controller
7. 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-72BRFTP** ■ SuperServer 1027R-72BRFTP (**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 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**
- 16x 240-pin DDR3 DIMM slots
 - Up to 1TB DDR3 ECC LRDIMM
 - Up to 512GB DDR3 ECC Registered memory (RDIMM)
 - Up to 128GB DDR3 ECC and non-ECC UDIMM

Memory ■ 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-119XTQ-BR700WB**

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
- UID button

LEDs

- Power status LED
- HDD activity LED
- 2x Network activity LEDs
- Information LED


Expansion Slots

PCI-Express

- 1 PCI-E 3.0 (x16) Full-height (10" length)
- 1 PCI-E 3.0 (x16) Full-height (6.6" length)
- 1 PCI-E 3.0 (x8) Low-profile (6.6" length)

Type	DIMMs
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® C602 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"> SAS2 from LSI 2208 (1GB cache) HW RAID 0, 1, 5, 6, 10, 50, 60 support Supports up to 16 drives
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 Broadcom BCM57810S 10Gb SFP+ 1x Realtek RTL8201N PHY (dedicated IPMI) <p>(Both CPUs need to be installed for LAN ports 1 and 2 to be enabled.)</p>
Graphics	<ul style="list-style-type: none"> Matrox G200eW
Input / Output	
SAS/SATA	<ul style="list-style-type: none"> 8x HW RAID SAS2 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 2x SFP+ 10Gb LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 5x USB 2.0 ports total (2 rear + 2 via header + 1 Type A)
Video	<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

(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	<ul style="list-style-type: none"> 8 Hot-swap 2.5" SAS / SATA HDD trays
Backplane	
SAS/SATA HDD Backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 6x 4cm Counter-rotating PWM fans
Battery Backup Power (BBP®)	
BBP®	<ul style="list-style-type: none"> Battery Backup Power (redundant) PWS-206B-1R
Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
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: 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
MBD-X9DRW-7TPF	1	Super X9DRW-7TPF Motherboard

Motherboard / Chassis	CSE-119XTQ-BR700WB	1	1U Chassis
Backplane	BPN-SAS-119XTQ	1	Sup 8x2.5" SAS/SATA hdd for SC119X
Cable 1	CBL-0118L-03	1	lpass to 4 SATA cable 23CM, W / 25.5cm SB, S, 30AWG
Cable 2	CBL-0097L-03	1	lpass to 4 SATA, 51cm, W/51cm SB, S, 30AWG
Riser Card	RSC-R1UW-2E16	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
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
Battery Backup Unit	BTR-0022L-LSI00279	-	LSI00279 IBBU09 BATTERY BKUP FOR SAS2208
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT3 DVM-TEAC-DVD-SBT3 DVM-PLDS-DVDRW-SBT4	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
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® i350AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® i350
	AOC-SG-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® 82575EB
	AOC-SG-i4	-	Standard LP, 4x GbE RJ45, PCI-E x8, Intel® 82576EB
	AOC-STG-b4S	-	Standard LP, 4x 10GbE SFP+, PCI-E x8, Broadcom® BCM57840S
	AOC-STGN-i2S	-	Standard LP, 2x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STG-i2T	-	Standard LP, 2x 10GbE RJ45, PCI-E x8, Intel® X540
	AOC-STG-i2	-	Standard LP, 2x 10GbE CX4, PCI-E x8, Intel® 82598EB
Storage Controller Card(s)	AOC-S3008L-L8e	-	Standard LP, 8 internal ports (12Gb/s) Gen-3, 122HDD, HBA
	AOC-S3008L-L8i	-	Standard LP, 8 internal ports (12Gb/s) Gen-3, 63HDD, RAID 0,1,1E
	AOC-S3108L-H8iR	-	Standard LP, 8 internal ports (12Gb/s) Gen-3, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60
	AOC-S2308L-L8e	-	Standard LP, 8 internal ports (6Gb/s) Gen-3, 122HDD, HBA
	AOC-S2308L-L8i	-	Standard LP, 8 internal ports (6Gb/s) Gen-3, 63HDD, RAID 0,1,1E
	AOC-S2208L-H8iR	-	Standard LP, 8 internal ports (6Gb/s) Gen-3, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60
	AOC-SAS2LP-MV8	-	Standard LP, 8 internal ports (6Gb/s) Gen-2, HBA
	AOC-SAS2LP-H4iR	-	Standard LP, 4 internal & 4 external ports (6Gb/s) Gen-2, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60
	AOC-SAS2LP-H8iR	-	Standard LP, 8 internal ports (6Gb/s) Gen-2, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60