

SuperServer 6027R-WRF

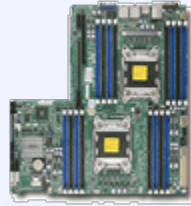


Available Colors:

Black



Integrated Board



Super X9DRW-iF

Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
2. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets
3. 4x PCI-E 3.0 x8 slots (2x Full-height Full-length, 2x Full-height Half-length)
4. Intel® i350 Dual port Gigabit Ethernet Controller; 2x LAN ports
5. 8x Hot-swap 3.5" SAS/SATA HDD bays for Customizable Storage
6. 740W 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-WRF ■ SuperServer 6027R-WRF (Black)

Motherboard

Super X9DRW-iF

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 ■ 16x 240-pin DDR3 DIMM sockets
 ■ Up to 1TB DDR3 ECC LRDIMM
 ■ Up to 512GB DDR3 ECC Registered memory (RDIMM)
 ■ Up to 128GB 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-825TQ-R740WB](#)

Dimensions

Width ■ 17.2" (437mm)

Height ■ 3.5" (89mm)

Depth ■ 25.5" (648mm)

Gross Weight ■ 52 lbs (23.6kg)

Available Colors ■ Black

Front Panel

Buttons ■ Power On/Off button
 ■ System Reset button
 ■ UID button

LEDs ■ Power status LED
 ■ HDD activity LED
 ■ 2x Network activity LEDs
 ■ Universal Information (UID) LED

Expansion Slots

■ 4 PCI-E 3.0 x8 slots (2x Full-height Full-length, 2x Full-height Half-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® 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
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 Renesas SH7757 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350 Dual Port Gigabit Ethernet Controller Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8211E PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> G200 (Renesas SH7757 BMC)
Input / Output	
SAS/SATA	<ul style="list-style-type: none"> Customizable storage
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 6x USB 2.0 ports total (4x rear + 2x via header)
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

- [UIO AOC Compatibility Matrix](#)

(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

- 8 Hot-swap 3.5" SAS / SATA HDD trays (ready for PCI-E storage controller card)

Backplane

1x 2U SAS backplane w/ Enclosure Management (SAS support requires optional SAS controller)

Peripheral Drives

DVD-ROM

- Slim DVD-ROM drive (optional)

System Cooling

Fans

- 3x 80mm 7,000 RPM 4-pin PWM fans

Power Supply with Power Distributor

740W (1+1) Redundant high-efficiency power supply with PMBus

AC Input

- 100-240 V, 50-60 Hz, 9-3.5 Amp

DC Output

- 4 Amp @ +5V standby
- 61.7 Amp @ +12V

With Power Distributor

- +5V: 30 Amp
- +3.3V: 24 Amp
- 12V: 0.6 Amp

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 / 3.0 / 4.0
- BIOS resume hot keys
- USB Keyboard support
- SMBIOS 2.3
- UEFI

Operating Environment / Compliance

RoHS

- RoHS Compliant

Environmental Spec.

- 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-iF	1	Super X9DRW-iF Motherboard
	CSE-825TQ-R740WB	1	2U Chassis
Backplane	BPN-SAS-825TQ-O-P	1	BPN-SAS-825TQ-O-P
Cable 1	CBL-0343L-01	2	IPASS TO 4 SATA 76/66/54/45CM, W/ 66CM SB, S. 30AWG
Riser Card	RSC-R2UW-4E8-O-P	1	RSC-R2UW-4E8-O-P
Heatsink / Retention	SNK-P0048PS	2	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-741P-1R	2	1U740W Platinum Redundant Single Output
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
Internal 3.5"/2.5" HDD Tray Included	MCP-220-82502-0B	2	Black fixed 3.5"/2.5" HDD tray or FDD dummy tray
Internal 2.5" HDD Tray Included (COM slot)	MCP-220-00023-01	1	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
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 x4, 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