

SuperServer 6017R-WRF



Key Features

1. Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 512GB DDR3 1600MHz ECC Registered DIMM; 16x DIMM sockets
3. Add on card support: 2 PCI-E 3.0 x16 full-height, Half-length slots
4. Intel® i350 Dual port Gigabit Ethernet Controller; 2x LAN ports
5. 4x Hot-swap 3.5" SAS/SATA HDD Bays for Customizable Storage
6. 700W Redundant Power Supplies
Gold Level Certified

Available Colors: Black

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

Specifications

Product SKUs

- SYS-6017R-WRF** ■ SuperServer 6017R-WRF (Black)

Motherboard

Super X9DRW-iF

Processor/Cache

- CPU** ■ Intel® Xeon® processor E5-2600 family (up to 130W TDP)
 ■ Dual Socket R (LGA 2011)
- Cache** ■ Up to 20MB
- System Bus** ■ QPI up to 8 GT/s

System Memory

- Memory Capacity** ■ 16x 240-pin DDR3 DIMM sockets
 ■ Supports up to 512 GB DDR3 ECC Registered memory (RDIMM)
 ■ Supports up to 192 GB DDR3 ECC Un-Buffered memory (UDIMM)
- Memory Type** ■ 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

Chassis

- Form Factor** ■ 1U Rackmount
- Model** ■ **CSE-815TQ-R700WB**

Dimensions

- Width** ■ 17.2" (437mm)
- Height** ■ 1.7" (43mm)
- Depth** ■ 25.6" (650mm)
- Gross Weight** ■ 36 lbs (18.1kg)
- 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

- PCI-Express** ■ 2 PCI-E 3.0 x16 full-height, Half-length slots
 ■ [UIO AOC Compatibility Matrix](#)

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"> ▪ Via SATA directly ▪ 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	
SATA/SAS	<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

(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"> ▪ 4 Hot-swap 3.5" SAS / SATA HDD trays (ready for PCI-E storage controller card)
Peripheral Drives	
DVD-ROM	<ul style="list-style-type: none"> ▪ Slim DVD-ROM drive (optional)
Backplane	
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)	
System Cooling	
Fans	<ul style="list-style-type: none"> ▪ 5x 4cm Counter-rotating PWM fans
Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
AC Voltage	<ul style="list-style-type: none"> ▪ 700W: 100 - 140 V, 50-60 Hz, 8.5-6 Amp ▪ 750W: 180 - 240V, 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: 12 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 / 3.0 / 4.0 ▪ BIOS resume hot keys ▪ 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: 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-815TQ-R700WB	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0343L-01	1	IPASS TO 4 SATA 76/66/54/45CM, W/ 66CM SB, S. 30AWG
Riser Card	RSC-R1UW-2E16-O-P	1	RSC-R1UW-2E16-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-704P-1R	2	1U REDUNDANT PWS PMBUS GOLD EFFICIENCY 54.5MM
Rail Set	CSE-PT51L	1 set	Silver chassis rail set for SC813,814,815,816,819

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 (FDD Slot)	MCP-220-83601-0B	1	Black FDD dummy tray support 1x 2.5" slim HDD
Internal 2.5" HDD Tray (DVD Slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" HDD
USB/COM Port Tray (FDD Slot)	CSE-PT40L-B0	1	Black USB/COM port tray in slim FDD bay
Rail Set	MCP-290-00054-0N	1 set	Rail set, quick/quick, optional for 1U 17.2"W SC815