SuperServer 6017R-WRF

Integrated Board

Super X9DRW-iF

Available Colors: Black

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ Tested HDD
▸ Manuals ▸ OS Certification Matrix ▸ Quick-References

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. 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 3.5" Hot-swap SAS/SATA HDD Bays for Customizable Storage
6. 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-6017R-WRF	SuperServer 6017R-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 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 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
DIMM Sizes	32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	1.5 V, 1.35 V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices	
Chipset	Intel® C602 Chipset
SATA	Via SATA directly SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1
IPMI	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	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	G200 (Renesas SH7757 BMC)

Input / Output	
SATA/SAS	Customizable storage
LAN	2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	6x USB 2.0 ports total (4x rear + 2x via header)
VGA	1x VGA port
Serial Port / Header	1x Fast UART 16550 port / 1 Header

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 (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	4x 3.5" Hot-swap SAS / SATA HDD trays (ready for PCI-E storage controller card)

Peripheral Drives	
DVD-ROM	Slim DVD-ROM drive (optional)

Backplane
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)

System Cooling	
Fans	5x 4cm Counter-rotating PWM fans

Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
AC Voltage	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	3 Amp
DC Output +12V	700W: 58 Amp @ 100-140V 750W: 62 Amp @ 180-240V
With Power Distributor	+5V: 25 Amp +3.3V: 12 Amp -12V: 0.6 Amp
Certification	80 PLUS GOLD — Gold Certified

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 resuce 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

See Parts List

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