

SuperServer 6017R-NTF



Available Colors: Black

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: 2x 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/SATA2 HDD Bays Connected to onboard storage controller
6. 600W High-efficiency Power Supply **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-6017R-NTF ■ SuperServer 6017R-NTF (**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-600WB**

Dimensions

Width ■ 17.2" (437mm)

Height ■ 1.7" (43mm)

Depth ■ 25.6" (650mm)

Gross Weight ■ 46 lbs (20.9kg)

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 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 ▪ 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	
Serial ATA	<ul style="list-style-type: none"> ▪ 4x SATA 2.0 ports (3Gbps)
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/SATA2 HDD Bays (connected to onboard storage controller)
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 with Digital Switching Control & PMBus 1.2	
600W AC power supply w/ PFC (24-pin)	
AC Voltage	<ul style="list-style-type: none"> ▪ 100-240 V, 50-60 Hz, 7.5 Amp max
+5V	<ul style="list-style-type: none"> ▪ 18 Amp
+5V standby	<ul style="list-style-type: none"> ▪ 3 Amp
+12V	<ul style="list-style-type: none"> ▪ 49 Amp
-12V	<ul style="list-style-type: none"> ▪ 0.5 Amp
+3.3V	<ul style="list-style-type: none"> ▪ 15 Amp
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 / 3.0 / 4.0 ▪ BIOS resuce 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-600WB	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0188L-02	1	IPASS TO 4 SATA 64/54/44/34CM, W/ 64CM 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-605P-1H	1	1U 600W Multi Output Power Supply PMbus
Air Shroud	MCP-310-19001-0N	1	SC815/113/116 Intel DP X9, X8 PC air shroud,1368x13/12x13MB
Cable 2	CBL-0335L	1	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF. 28AWG
Peripheral Drive 1	CSE-PT93L-B	1	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS
Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-swap 3.5" HDD tray
Mounting Rails	MCP-290-00101-0N	1set	Outer rail, screw type, 25.6" to 33.05"
Mounting Rails	MCP-290-00105-0N	1set	Inner rail, front, screw type
Mounting Rails	MCP-290-00109-0N	1set	Inner rail, extension (screw) for 1U 17.2
Cooling Fan	FAN-0086L4	5	40x56 4Pin PWM, Primary for SC815, Secondary for SC818, 825M
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
Cable for Storage Controller Card Connection	CBL-0343L-01	1	IPASS to 4 SATA Cable, 30AWG 76/66/54/45CM, W/ 66CM
Rail Set	MCP-290-00054-0N	1 set	Rail set, quick/quick, optional for 1U 17.2"W SC815