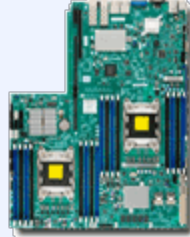


SuperServer 6017R-72RFTP



Integrated Board



Super X9DRW-7TPF

Available Colors:

Black



Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600; QPI up to 8GT/s
2. Up to 512GB DDR3 1600MHz ECC Registered DIMM; 16x DIMM sockets
3. 1 PCI-E 3.0 (x8) Low-profile, 2 PCI-E 3.0 (x16) Full-height slots (see below for details)
4. Intel® i350 Dual port GbE controller Broadcom BCM57810S 10Gb SFP+
5. 4x Hot-swap 3.5" SAS/SATA HDD Bays Connected to onboard LSI 2208 hardware RAID Controller
6. 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-6017R-72RFTP** ■ SuperServer 6017R-72RFTP (**Black**)

Motherboard

Super X9DRW-7TPF

Processor/Cache

- CPU** ■ Intel® Xeon® processor E5-2600 (up to 135W 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 128 GB DDR3 ECC Un-Buffered memory (UDIMM)
- Memory Type** ■ 1600*/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

Chassis

- Form Factor** ■ 1U Rackmount
- Model** ■ **CSE-819TQ-R700WB**

Dimensions

- Width** ■ 17.2" (437mm)
- Height** ■ 1.7" (43mm)
- Depth** ■ 27.75" (705mm)
- Gross Weight** ■ 43 lbs (19.45kg)
- 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
■ Information LED

Expansion Slots

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

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 Cable for SATA controller ▪ SATA 2.0 3Gbps with RAID 0, 1, 5, 10 ▪ SATA 3.0 6Gbps with RAID 0, 1
SAS	▪ SAS2 from LSI 2208 (1GB cache) ▪ HW RAID 0, 1, 5, 6, 10, 50, 60 support ▪ Supports up to 16 drives
IPMI	▪ 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	▪ Intel® i350 Gigabit Ethernet Controller ▪ Broadcom BCM57810S 10Gb SFP+ ▪ 1x Realtek RTL8201N PHY (dedicated IPMI) (Both CPUs need to be installed for LAN ports 1 and 2 to be enabled)
Graphics	▪ Matrox G200eW
Input / Output	
SAS/SATA	▪ 4x HW RAID SAS2 (6Gbps) ports
LAN	▪ 2x RJ45 Gigabit Ethernet LAN ports ▪ 2x SFP+ 10Gb LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
USB	▪ 5x USB 2.0 ports total (2 rear + 2 via header + 1 Type A)
VGA	▪ 1x VGA port
Serial Port / Header	▪ 1x Fast UART 16550 port / 1 Header

	▪ 1 PCI-E 3.0 (x8) Low-profile (6.6" length)
PCI-Express	(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	▪ 4 Hot-swap 3.5" SAS / SATA HDD trays
Peripheral Drives	
DVD-ROM	▪ Slim DVD-ROM drive (optional)
Backplane	
SAS/SATA HDD Backplane	
System Cooling	
Fans	▪ 6x 4cm Counter-rotating PWM fans
Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
AC Input	▪ 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	▪ 3 Amp
DC Output +12V	▪ 700W: 58 Amp @ 100-140V ▪ 750W: 62 Amp @ 180-240V
With Power Distributor	▪ +5V: 25 Amp ▪ +3.3V: 25 Amp ▪ -12V: 0.6 Amp
Certification	 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 ▪ USB Keyboard support ▪ SMBIOS 2.3 ▪ UEFI
Operating Environment / Compliance	
RoHS	▪ RoHS Compliant
Environmental Spec.	▪ Operating Temperature: 10°C to 35°C (50°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-7TPF	1	Super X9DRW-7TPF Motherboard
	CSE-819TQ-R700WB	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0476L	1	IPASS to 4 SATA, 55,45,35,30, w/55 SB, 30AWG
Riser Card	RSC-R1UW-2E16-O-P	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R-O-P	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-703P-1R	2	1U REDUNDANT PWS 50MM W PMBUS GOLD EFFICIENCY 50MM
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 and Installation Kit for RAID Controller	BTR-0022L-LSI00279	1	LSI00279 IBBU09 BATTERY BKUP FOR SAS2208
	MCP-450-00001-0N	1	LSI iBBU09 extension kit (to install at 2.5" HDD location)
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