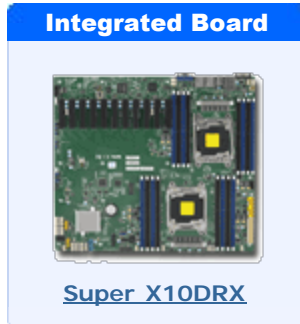


SuperServer 6048R-TXR



Available Colors:

Black



Key Features

1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4[†]/ v3 family; QPI up to 9.6GT/s
2. Up to **2TB[†]** ECC 3DS LRDIMM , up to DDR4- **2400[†]**MHz ; 16x DIMM slots
3. 10x PCI-E 3.0 x8 (FHFL) slots, 1x PCI-E 2.0 x4 (in x8) slot
4. Intel® i350 Dual port Gigabit Ethernet
5. 5x 3.5" Hot-swap HDD Bays
6. 3x 5.25" Peripheral Drive Bays
7. 600W 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-6048R-TXR** ■ SuperServer 6048R-TXR (**Black**)

Motherboard

Super X10DRX

Processor/Cache

- CPU** ■ Intel® Xeon® processor E5-2600 v4[†]/ v3 family (up to 145W TDP) *
 ■ Dual Socket R3 (LGA 2011)

- Cores / Cache** ■ Up to **22 Cores[†]** / Up to **55MB[†]** Cache

- System Bus** ■ QPI up to 9.6 GT/s

- Note** [†] BIOS version 2.0 or above is required

- Note** * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

- Memory Capacity** ■ 16x 288-pin DDR4 DIMM slots
 ■ Up to 2TB[†] ECC 3DS LRDIMM, 512 ECC RDIMM

- Memory Type** ■ **2400[†]**/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

Chassis

- Form Factor** ■ 4U Rackmountable / Tower
 ■ Optional Rackmount Kit

- Model** ■ **CSE-842XTQ-R606B**

Dimensions

- Height** ■ 17.2" (437mm)

- Width** ■ 7.0" (178mm)

- Depth** ■ 20.68" (525mm)

- Gross Weight** ■ 49 lbs (22.2kg)

- Available Colors** ■ Black

Front Panel

- Buttons** ■ Power On/Off button
 ■ System Reset button



- LEDs** ■ Power LED
 ■ Hard drive activity LED
 ■ 2x Network activity LEDs
 ■ System information (overheat/UID) LED
 ■ Power Fail LED

- Ports** ■ 2x USB 2.0 ports
 ■ 1x COM port

Drive Bays

- Hot-swap** ■ 5x 3.5" Hot-swap Drive Trays

DIMM Sizes	<ul style="list-style-type: none"> RDIMM: 32GB, 16GB, 8GB, 4GB LRDIMM: 64GB, 32GB 3DS LRDIMM: 128GB
Memory Voltage	<ul style="list-style-type: none"> 1.2 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C612 chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) with RAID 0, 1, 5, 10 Support for Intelligent Platform Management Interface v.2.0
IPMI	<ul style="list-style-type: none"> IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> ASPEED AST2400 BMC
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 10x SATA3 (6Gbps) ports
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"> 5x USB 3.0 ports (2 rear, 2 via header, 1 Type A) 4x USB 2.0 ports (2 rear, 2 via headers)
Video	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2x COM ports (1 rear, 1 Header)
DOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) ports
TPM	<ul style="list-style-type: none"> 1x TPM 1.2 20-pin Header
Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> 10x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x4 (in x8) slot <p>(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)</p>
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) PCI 2.3 ACPI 1.0 / 2.0 / 3.0 / 4.0 BIOS rescue hot keys USB Keyboard support SMBIOS 2.7.1 UEFI 2.3.1

90° Rotatable	3x 5.25" Peripheral Drive Trays
Peripheral Bay	
DVD-ROM	1x slim DVD-ROM drive (optional)
SAS / SATA Backplane	
SAS / SATA Hard Drive Backplane w/AMI MG9072	
System Cooling	
Fans	<ul style="list-style-type: none"> 1x 92x38mm 4-pin PWM front intake fan 2x 80x38mm 4-pin PWM rear exhaust fans
Power Supply with Power Distributor	
600W Redundant High-Efficiency Power Supplies w/Power Distributor, PMBus 1.2, I ² C, and PFC	
AC Input	100-240V, 50-60Hz, 7.5-3.0A
DC Output	<ul style="list-style-type: none"> +5V standby: 3A +12V: 50A
Certification	  Platinum Certified [Test Report]
PC Health Monitoring	
CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. 6-Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> Total of eight fan headers supporting up to 8 fans 8x fans with tachometer status monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 8x fan connectors Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED Suspend static indicator LED UID/Remote LED
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°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-X10DRX	1	Super X10DRX Motherboard
	CSE-842XTQ-R606B	1	4U Chassis
Backplane	BPN-SAS-842TQ	1	4U SC842 5x3.5inch Hotswap SAS/SATA with SES2
Cable 1	CBL-CDAT-0660	1	8 pin to 8 pin round SGPIO cable, 27cm, 28AWG, pinout 1-1,RoHS/REACH
Cable 2	CBL-CDAT-0661	1	8 pin to 8 pin round SGPIO cable, 40cm, 28AWG, pinout 1-1,RoHS/REACH
Cable 3	CBL-SAST-0639	5	31cm SATA cable S-RA 30AWG,RoHS/REACH
Label	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
Parts	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket.
Heatsink / Retention	SNK-P0048AP4	2	2U Active CPU Heat Sink for Intel R2/R3/B2/B3 and AMD C32
Power Supply	PWS-606P-1R	2	1U 600W Redundant Short Depth High Efficiency Power Supply

Optional Parts List

	Part Number	Qty	Description
DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD kit for 6038R-TXR and 6048R-TXR
Rail	MCP-290-00058-0N	-	Quick-release outer rail for 4U (19"~26.6")
Onsite Service Program	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
Onsite Service Program	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)