

SuperServer 6038R-TXR



Integrated Board



Super X10DRX

Available Colors:

Black



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

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 slots,
1x PCI-E 2.0 x4 (in x8) slot
4. Intel® i350 Dual port Gigabit Ethernet
5. 8x 3.5" Hot-swap drive bays,
2x 5.25" drive bays
6. Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
7. 3x middle fans & 1x rear exhaust fan
8. 980W Redundant Power Supplies
Platinum Level (94%)

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

SYS-6038R-TXR ■ SuperServer 6038R-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, 512GB ECC RDIMM

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

DIMM Sizes ■ RDIMM: 32GB, 16GB, 8GB, 4GB
■ LRDIMM: 64GB, 32GB
■ 3DS LRDIMM: 128GB

Memory Voltage ■ 1.2 V

Error Detection ■ Corrects single-bit errors

On-Board Devices

Chipset ■ Intel® C612 chipset

SATA ■ SATA3 (6Gbps) with RAID 0, 1, 5, 10

IPMI ■ Support for Intelligent Platform Management Interface v.2.0
■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
■ ASPEED AST2400 BMC

Network Controllers ■ 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 ■ ASPEED AST2400 BMC

Input / Output

Serial ATA ■ 10x SATA3 (6Gbps) ports

LAN ■ 2x RJ45 Gigabit Ethernet LAN ports
■ 1x RJ45 Dedicated IPMI LAN port

Chassis

Form Factor ■ 3U Rackmount

Model ■ **CSE-835XTQ-R982B**

Dimensions

Width ■ 17.2" (437mm)

Height ■ 5.2" (132mm)

Depth ■ 25.5" (648mm)

Gross Weight ■ 72 lbs (32.6kg)

Available Colors ■ Black

Front Panel

Buttons ■ Power On/Off button
■ System Reset button

LEDs ■ Power status LED
■ Hard drive activity LED
■ 2x Network activity LEDs
■ System information (overheat/UID) LED
■ Power fail LED

Expansion Slots

PCI-Express ■ 10x PCI-E 3.0 x8 slots
■ 1x PCI-E 2.0 x4 (in x8) slot
(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)

Drive Bays

Hot-swap ■ 8x 3.5" Hot-swap drive bays

Others ■ 2x 5.25" drive bays

Peripheral Bay

Peripheral Bay ■ 1x slim DVD-ROM drive (optional)

Backplane

1x SAS2 / SATA backplane

System Cooling

Fans ■ 3x 8cm 7K RPM, Middle fans
■ 1x 8cm 6.7K RPM, Rear Exhaust fan

Power Supply with Power Distributor

850W/980W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus

AC Input ■ 100-140 V, 50-60 Hz, 11.5-6.5 Amp
■ 180-240 V, 50-60 Hz, 6.5-4.5 Amp

DC Output ■ 4 Amp @ +5V Standby
■ 70 Amp @ +12V (100-140Vac)
■ 81 Amp @ +12V (180-240Vac)

With Power Distributor ■ +5V: 30 Amp
■ +3.3V: 28 Amp
■ -12V: 0.6 Amp

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)
Serial Port / Header	<ul style="list-style-type: none"> 2x COM ports (1 rear, 1 Header)
VGA	<ul style="list-style-type: none"> 1x VGA port
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

Certification

Platinum Level
[[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) 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

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)

Список деталей

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10DRX	1	Super X10DRX Motherboard
	CSE-835XTQ-R982B	1	3U Chassis
Backplane	CSE-SAS-833TQ	1	SAS833/835 BACK PANEL WITH AMI MG9072
Cable 1	CBL-CDAT-0660	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,27CM,28AWG
Cable 2	CBL-CDAT-0661	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,40CM,28AWG
Cable 3	CBL-0483L	8	SATA,INT,ROUND,ST-ST,29CM,30AWG
Label	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
Heatsink / Retention	SNK-P0048PS	2	2U Passive CPU Heat Sink for X9, X10 Generation Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-982P-1R	2	1U 980W Redundant Power Supply High Efficiency

Optional Parts List

	Part Number	Qty	Description
DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD kit for 6038R-TXR and 6048R-TXR
Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC • eStore	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)