

SuperServer 6037R-TXRF



Integrated Board



Super X9DRX+-F

Available Colors:

Black



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. Expansion slots: 10x PCI-E 3.0 x8, 1x PCI-E 2.0 x4 (in x8)
4. Intel® i350 Dual port Gigabit Ethernet
5. 8x Hot-swap 3.5" HDD Bays
6. 2x 5.25" Drive Bays
7. Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
8. 3x middle fans & 1x rear exhaust fan
9. 980W 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-6037R-TXRF	▪ SuperServer 6037R-TXRF (Black)
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Motherboard

Super X9DRX+-F

Processor/Cache

CPU	▪ Dual Socket R (LGA 2011) ▪ Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
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

Chassis

Form Factor	▪ 3U Rackmount
Model	▪ CSE-835XTQ-R982B

Dimensions

Width	▪ 17.2" (437mm)
Height	▪ 5.2" (132mm)
Depth	▪ 25.5" (648mm)
Gross Weight	▪ 48.4 lbs (22.0kg)
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 Overheat LED ▪ Power fail LED

Expansion Slots

PCI-Express	▪ 10x PCI-E 3.0 x8 ▪ 1x PCI-E 2.0 x4 (in x8)
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DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
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"> SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1, 5, 10
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 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"> G200 (Renesas SH7757 BMC w/ graphic controller)
Super I/O	<ul style="list-style-type: none"> Nuvoton W83527
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 8x 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"> 10x USB 2.0 ports total (4x rear + 4x via header + 2x Type A)
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

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 8x Hot-swap 3.5" SAS / SATA HDD trays
Drive Bracket	<ul style="list-style-type: none"> Supports 1x 3.5" or 2x 2.5" drives (internal)
Backplane	
1x SAS2 / SATA backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 100-140 V, 50-60 Hz, 11.5-6.5 Amp 180-240 V, 50-60 Hz, 6.5-4.5 Amp
DC Output	<ul style="list-style-type: none"> 4 Amp @ +5V Standby 70 Amp @ +12V (100-140Vac) 81 Amp @ +12V (180-240Vac)
With Power Distributor	<ul style="list-style-type: none"> +5V: 30 Amp +3.3V: 28 Amp -12V: 0.6 Amp
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) APM 1.2 PCI 2.2 ACPI 1.0 / 2.0 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: 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-X9DRX+-F	1	Super X9DRX+-F Motherboard
	CSE-835XTQ-R982B	1	3U Chassis
Backplane	CSE-SAS-833TQ-O-P	1	SAS833 BACK PANEL WITH AMI MG9072
Cable 1	CBL-0061L	8	35CM, SATA CABLE, PB FREE, 26AWG, flat
Cable 2	CBL-0157L	2	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Heatsink / Retention	SNK-P0048PS	2	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-982P-1R	2	1U 980W Redundant Power Supply High Efficiency
I/O Shield	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket