SuperServer 6037R-TXRF

Integrated Board

Super X9DRX+-F

Available Colors: Black

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested MEM ▸ Tested HDD ▸ Manuals ▸ OS Certification Matrix ▸ Quick-References

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)

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
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	▪ SATA 2.0 3Gbps with RAID 0, 1, 5, 10 ▪ SATA 3.0 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 ▪ Renesas SH7757 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	▪ G200 (Renesas SH7757 BMC w/ graphic controller)
Super I/O	▪ Nuvoton W83527

Input / Output

Serial ATA	▪ 2x SATA 3.0 ports (6Gbps) ▪ 8x SATA 2.0 ports (3Gbps)
LAN	▪ 2x RJ45 Gigabit Ethernet LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
USB	▪ 10x USB 2.0 ports total (4x rear + 4x via header + 2x Type A)
VGA	▪ 1x VGA port
Serial Port / Header	▪ 1x Fast UART 16550 port / 1 Header

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)

Drive Bays

Hot-swap	▪ 8x Hot-swap 3.5" SAS / SATA HDD trays
Drive Bracket	▪ Suppports 1x 3.5" or 2x 2.5" drives (internal)

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
Certification	80 PLUS PLATINUM **Platinum Level** [Test Report]

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 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

See Parts List

Copyright © 2014 Super Micro Computer, Inc.
Information in this document is subject to change without notice.
Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.