

SuperServer 6037R-72RFT



Integrated Board



Super X9DRH-7TE

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. 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 slots
4. Intel® X540 Dual port 10GBase-T
5. I/O ports: 2x 10Gb LAN, 1x Dedicated LAN for IPMI Remote Management, 1x VGA, 1x COM port, 4x rear USB 2.0
6. 8x 3.5" Hot-swap Drive Bays and 2x 5.25" Peripheral Drive Bays
7. 3x middle fans & 2x rear exhaust fans
8. 1x Slim DVD-ROM Drive
9. 920W 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-72RFT	■ SuperServer 6037R-72RFT (Black)
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Motherboard

Super X9DRH-7TE

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ 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	<ul style="list-style-type: none"> ■ 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)
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Memory **Handy** ■ 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated QCT

Chassis

Form Factor	■ 3U Rackmount
Model	■ CSE-835TQ-R920B

Dimensions

Width	■ 17.2" (437mm)
Height	■ 5.2" (132mm)
Depth	■ 25.5" (648mm)
Weight	■ Gross: 74.8lbs (34kg) / Net: 48lbs (21.8kg)
Available Colors	■ Black



Front Panel

Buttons	<ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button
LEDs	<ul style="list-style-type: none"> ■ Power status LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat LED ■ Power fail LED

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> ■ 6x PCI-E 3.0 x8 ■ 1x PCI-E 3.0 x16
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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
SAS	<ul style="list-style-type: none"> SAS2 from LSI 2208 RAID 0, 1, 5, 6, 10, 50, 60 support
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 Nuvoton WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® X540 Dual Port 10GBase-T Virtual Machine Device Queues reduce I/O overhead Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> Matrox G200eW
Super I/O	<ul style="list-style-type: none"> Nuvoton W83527HG (optional)
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 8x SATA 2.0 ports (3Gbps)
SAS	<ul style="list-style-type: none"> 8x SAS2 ports (6Gbps)
LAN	<ul style="list-style-type: none"> 2x RJ45 10GbE LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 4x Rear USB 2.0 ports MB: 4x rear + 2x via header + 1x Type A
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2x Fast UART 16550 serial COM port (1 rear & 1 header)

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 8x 3.5" Hot-swap SAS/SATA HDD trays SAS or enterprise SATA HDD only recommended
Peripheral Bays	<ul style="list-style-type: none"> 2x 5.25" Peripheral Drive Bay
Peripheral Drives	
DVD-ROM	<ul style="list-style-type: none"> Slim DVD-ROM drive
Backplane	
1x SAS2 / SATA backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 3x 8cm 7K RPM, Middle fans 2x 8cm 6.7K RPM, Rear Exhaust fan
Power Supply with Power Distributor	
920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C	
AC Input	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	<ul style="list-style-type: none"> 4 Amp @ +5V standby 75 Amp @ +12V
Certification	  Platinum Certified [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-X9DRH-7TF	1	Super X9DRH-7TF Motherboard
	CSE-835TQ-R920B	1	3U Chassis
Backplane	CSE-SAS-833TQ-O-P	1	SAS833 BACK PANEL WITH AMI MG9072
Cable 1	CBL-0118L-03	2	lpass to 4 SATA cable 23CM, W / 25.5cm SB, S, 30AWG
Heatsink / Retention	SNK-P0048PS	2	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-920P-1R	2	1U REDUNDANT 920W PMBus 94% EFFICIENCY
I/O Shield	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket