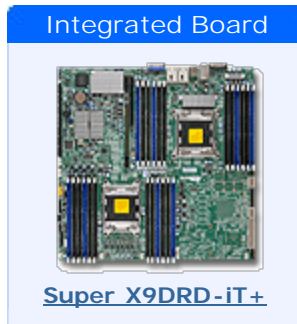


SuperServer 6027R-TDT+



Available Colors:

Black



[▶ Drivers & Utilities](#)
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Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-6027R-TDT+ ■ SuperServer 6027R-TDT+ (Black)

Motherboard

Super X9DRD-iT+

Processor/Cache

CPU

- Dual Socket R (LGA 2011)
- Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 135W TDP *)

* Please contact your Supermicro sales representative for additional details

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

- 24x 240-pin DDR3 DIMM slots
- Up to 1.5TB DDR3 ECC LRDIMM
- Up to 768GB DDR3 ECC Registered memory (RDIMM)
- Up to 128GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)

Chassis

Form Factor ■ 2U Rackmount

Model ■ CSE-825TQ-600WB

Dimensions

Width ■ 17.2" (437mm)

Height ■ 3.5" (89mm)

Depth ■ 25.5" (647mm)

Gross Weight ■ 36 lbs (16.4kg)

Available Colors ■ Black

Front Panel

Buttons

- Power On/Off button
- System Reset button
- UID button

LEDs

- Power status LED
- HDD activity LED
- 2x Network activity LEDs
- System information (overheat/UID) LED

Expansion Slots

PCI-Express

- 1x PCI-E 3.0 x16 Full-height, Half-length
- 2x PCI-E 3.0 x8 Full-height, Half-length
- 1x PCI-E 3.0 x8 Low-profile

Key Features

- Data Center Optimized
- Virtualization & Cloud
- Managed Hosting, HPC
- Database, Big Data Analytics
- 24x DIMM slots, 2x 10GBase-T

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†

2. Up to 1.5TB ECC DDR3, up to 1866MHz; 24x DIMM slots

3. 3x PCI-E 3.0 x8 FHHL + 1x LP

4. Intel® X540 Dual port 10GBase-T

5. 8x 3.5" Hot-swap SATA HDD Bays

6. 600W High-efficiency power supply Platinum Level Certified

Memory Type	<ul style="list-style-type: none"> 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none"> RDIMM: 32GB, 16GB, 8GB, 4GB, 2GB, 1GB LRDIMM: 64GB, 32GB
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"> Via Cable for SATA controller SATA 2.0 (3Gbps) & 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 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

Input / Output

Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 6x SATA 2.0 ports (3Gbps)
LAN	<ul style="list-style-type: none"> 2x RJ45 10GBase-T LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 9x USB 2.0 ports total (4x rear + 4x via header + 1x 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 serial 1x COM port (rear)

Drive Bays

- Hot-swap
 - 8x 3.5" Hot-swap SATA HDD trays

Backplane

1x 2U SAS / SATA backplane

System Cooling

- Fans
 - 3x 80x80x38mm Counter-rotating PWM fans

Power Supply

600W High-Efficiency Power Supply w/PMBus 1.2, I²C, PFC, and Digital Switching

- AC Input
 - 100-240V, 50-60Hz, 7.5A max

- DC Output
 - +3.3V: 15A
 - +5V: 18A
 - +5V standby: 3A
 - +12V: 49A
 - 12V: 0.5A

Certification



Platinum Certified
[[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

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRD-iT+	1	Super X9DRD-iT+ Motherboard
	CSE-825TQ-600WB	1	2U Chassis
Backplane	BPN-SAS-825TQ	1	8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD
Cable 1	CBL-0157L	2	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable 2	CBL-0180L-01	1	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
Cable 3	CBL-0484L	2	55cm 30AWG SATA S-S cable
Cable 4	CBL-0481L	2	81CM 30AWG SATA S-S cable
Riser Card	RSC-R2UW-E8R-UP	1	2U RHS WIO Riser Card with a PCI-E x8 for UP MBs (Rev 1.02)
Riser Card	RSC-R2UW-2E8E16+	1	RSC-R2UW-2E8E16+
Heatsink / Retention	SNK-P0048PS	1	2U Passive CPU Heat Sink for X9, X10 Generation Systems Equipped w/ a Narrow ILM MB

Heatsink / Retention	SNK-P0048PT	1	2U Passive CPU Heat Sink for SYS-6027R-TDT+ (X9DRD-iT+ in SC825TQ-600WB) Rear CPU,RoHS/REACH
Heatsink / Retention	SNK-P0048AP4	0	2U Active CPU Heat Sink for Intel R2/R3/B2/B3 and AMD C32

Optional Parts List

	Part Number	Qty	Description
Global Services & Support	<u>OS4HR3/2/1</u>	-	3/2/1-year onsite 24x7x4 service
	<u>OSNBD3/2/1</u>	-	3/2/1-year onsite NBD service