

SuperServer 6017R-TDF+



Integrated Board



Super X9DRD-EF

Key Features

1. Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 512GB DDR3 1600MHz ECC Registered DIMM; 16x DIMM sockets
3. 1x PCI-E 3.0 x8 Full-height, Full-length Expansion slot
4. Intel® i350 Dual port Gigabit Ethernet
5. 4x 3.5" Hot-swap SATA HDD Bays
6. 600W High-efficiency power supply Gold Level Certified

Available Colors:

Black



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

Specifications

Product SKUs

SYS-6017R-TDF+	■ SuperServer 6017R-TDF+ (Black)
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Motherboard

Super X9DRD-EF

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ Dual Socket R (LGA 2011) ■ Supports up to two Intel® Xeon® 64-bit processor(s) of the same type below: Intel® Xeon® processor E5-2600 60W - 115W
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Cache	■ Up to 20MB
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System Bus	■ QPI up to 8 GT/s
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System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ 16x 240-pin DDR3 DIMM sockets ■ Supports up to 512 GB DDR3 ECC Registered memory (RDIMM)
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Chassis

Form Factor	■ 1U Rackmount
Model	■ CSE-813T-600CB

Dimensions

Width	■ 17.2" (437mm)
Height	■ 1.7" (43mm)
Depth	■ 25.6" (650mm)

Gross Weight	■ 36 lbs (16.4kg)
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Available Colors	■ Black
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Front Panel

Buttons	<ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button ■ UID button
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LEDs	<ul style="list-style-type: none"> ■ Power status LED ■ HDD activity LED ■ 2x Network activity LEDs ■ Universal Information (UID) LED
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	<ul style="list-style-type: none"> Supports up to 128 GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	<ul style="list-style-type: none"> 1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
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® C602J 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® 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"> Matrox G200eW

Input / Output

Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 2x 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"> 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"> 2x Fast UART 16550 ports (rear/header)

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> 1x PCI-E 3.0 x8 Full-height, Full-length
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Drive Bays

Hot-swap	<ul style="list-style-type: none"> 4x 3.5" Hot-swap 3.5" SATA HDD trays
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Backplane


1x 1U SAS / SATA backplane	
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System Cooling

Fans	<ul style="list-style-type: none"> 2x blower fans 1x 40 x 28mm 13K RPM 4-pin fan
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Power Supply

600W AC multi output power supply w/ PFC	
AC Voltage	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 7.5-3.1 Amp
+5V	<ul style="list-style-type: none"> 20 Amp
+5V standby	<ul style="list-style-type: none"> 3 Amp
+12V	<ul style="list-style-type: none"> 49 Amp
+3.3V	<ul style="list-style-type: none"> 16 Amp

Certification	 <ul style="list-style-type: none"> Gold Certified [Test Report]
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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-X9DRD-EF	1	Super X9DRD-EF Motherboard
	CSE-813T-600CB	1	1U Chassis
Backplane	BPN-SAS-815T-O-P	1	815 SAS BACKPLANE W/O AMI 9071 -O-P
Cable 1	CBL-0180L-01	1	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
Riser Card	RSC-RR1U-E8-O-P	1	RSC-RR1U-E8 (Rev 4.00)
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-601-1H	1	1U 680W MULTI OUTPUT PWS 80+ GOLD
Peripheral Drive 1	CSE-PT93L-B	1	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS
Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-swap 3.5" HDD tray
Mounting Rails	MCP-290-00102-0N	1 set	Outer rail, quick-release type
Mounting Rails	MCP-290-00106-0N	1 set	Inner rail, front, quick-release type
Air Shroud	MCP-310-19011-0N	1	SC812/SC813, DP X9DRD-7LN4F, X9 Malar Air Shroud, 12" x 13" MB
Cooling Fan	FAN-0065L4	1	40 x 28mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Cooling Fan Accessory	MCP-320-81302-0B	1	Optional fan tray for one 40x28mm fan in SC813 (Fan tray only)