

SuperServer 6017R-TDAF



Integrated Board



Super X9DRD-iF

Key Features

1. Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 256GB DDR3 1600MHz ECC Registered DIMM; 8x DIMM sockets
3. 1x PCI-E 3.0 x16 FHHL Expansion slot
4. Intel® i350 Dual port Gigabit Ethernet
5. 4x 3.5" Hot-sw ap SATA HDD Bays
6. 600W High-efficiency Power Supply **Platinum Level (94%+)**
7. Power Saving Optimized & Improved Cooling, PUE-Optimized: 0°C ~ 47°C

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-TDAF	■ SuperServer 6017R-TDAF (Black)
Motherboard	
Super X9DRD-iF	
Processor/Cache	
CPU	<ul style="list-style-type: none"> ■ Dual Socket R (LGA 2011) ■ Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below : Intel® Xeon® processor E5-2600 60W - 135W
Cache	■ Up to 20MB
System Bus	■ QPI up to 8 GT/s
System Memory	
Memory Capacity	<ul style="list-style-type: none"> ■ 8x 240-pin DDR3 DIMM sockets ■ Supports up to 256 GB DDR3 ECC Registered memory (RDIMM) ■ Supports up to 64 GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	■ 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

Chassis	
Form Factor	■ 1U Rackmount
Model	■ CSE-815TQ-600CB
Dimensions	
Width	■ 17.2" (437mm)
Height	■ 1.7" (43mm)
Depth	■ 25.6" (650mm)
Gross Weight	■ 36 lbs (16.4kg)
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 ■ HDD activity LED ■ 2x Network activity LEDs ■ Universal Information (UID) LED
Expansion Slots	
PCI-Express	■ 1x PCI-E 3.0 x16 Full-height, Half-length
Drive Bays	
Hot-swap	■ 4x 3.5" Hot-sw ap 3.5" SATA HDD trays

Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
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) w/ RAID 0, 1, 5, 10
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 w/ 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 RTL8201F 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)

Backplane	
1x 1U SAS / SATA backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 4x 4cm Counter-rotating PWM fans
Power Supply with Digital Switching Control & PMBus 1.2	
600W AC power supply w/ PFC (24-pin)	
AC Voltage	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 7.5 Amp max
+5V	<ul style="list-style-type: none"> 18 Amp
+5V standby	<ul style="list-style-type: none"> 3 Amp
+12V	<ul style="list-style-type: none"> 49 Amp
-12V	<ul style="list-style-type: none"> 0.5 Amp
+3.3V	<ul style="list-style-type: none"> 15 Amp
Certification	 Platinum Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS Plug and Play (PnP) APM 1.2 PCI 2.2 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 UEFI
BIOS Features	
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) 0°C to 47°C (32°F to 116.6°F) with certain configurations / workload environments 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](#)

Parts List (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRD-IF	1	Super X9DRD-IF Motherboard
	CSE-815TQ-600CB	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable w/ tube, 40cm, PBF
Cable	CBL-0180L-01	1	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 w/ PCI-E x16 output
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-605P-1H	1	1U 600W Multi Output Power Supply PMbus
Air Shroud	MCP-310-19001-0N	1	SC815/113/116 Intel DP X9, X8 PC air shroud, 1368x13/12x13MB
Cable 3	CBL-0071L	1	ROUND 16 pin TO 16 PIN RIBBON FP CABLE 30
Peripheral Drive 1	CSE-PT93L-B	1	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS
Fan 1	FAN-0086L4	4	40x56 4Pin PWM, Primary for SC815, Secondary for SC818, 825M
Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-sw ap 3.5" HDD tray