SuperServer 6017R-TDAF

Integrated Board

Super X9DRD-iF

Available Colors: Black

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ 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 512GB ECC DDR3, up to 1866MHz; 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-swap SATA HDD Bays
6. 600W High-efficiency Power Supply **Platinum Level (94%+)**
7. Power Saving Optimized & Improved Cooling, PUE-Optimized: 0°C ~ 47°C

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	Dual Socket R (LGA 2011) Intel® Xeon® processor E5-2600 and **E5-2600 v2** family† (60W - 135W TDP)
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	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
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices	
Chipset	Intel® C602 Chipset
SATA	Via Cable for SATA controller SATA 2.0 (3Gbps) & 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 Nuvoton WPCM450 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 RTL8201F PHY (dedicated IPMI)
Graphics	Matrox G200eW

Input / Output	
Serial ATA	2x SATA 3.0 ports (6Gbps) 2x SATA 2.0 ports (3Gbps)
LAN	2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	9x USB 2.0 ports total (4x rear + 4x via header + 1x Type A)
VGA	1x VGA port
Serial Port / Header	2x Fast UART 16550 ports (rear/header)

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	Power On/Off button System Reset button
LEDs	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 (Both CPUs need to be installed for full access to PCI-E slots. See manual for details.)

Drive Bays	
Hot-swap	4x 3.5" Hot-swap SATA HDD trays

Backplane
1x 1U SAS / SATA backplane

System Cooling	
Fans	5x 4cm Counter-rotating PWM fans

Power Supply with Digital Switching Control & PMBus 1.2	
600W AC power supply w/ PFC (24-pin)	
AC Voltage	100-240 V, 50-60 Hz, 7.5 Amp max
+5V	18 Amp
+5V standby	3 Amp
+12V	49 Amp
-12V	0.5 Amp
+3.3V	15 Amp
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) 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

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