

Supermicro Pedestal Server

- Intel® Xeon® E5-2600 v2 processor • Up to 1TB DDR3 ECC memory
- 8x hot swap 3.5" SAS/SATA HDD

Designed to support virtualization, this high-performance Supermicro SDP-7047R-TRF pedestal server is the perfect solution for any office that requires scalable memory or storage capacity. Configured with the Intel® Xeon® E5-2600 v2 processor and featuring DDR3 ECC memory and enterprise-class SAS/SATA hard drives, this all-purpose server reduces operating costs and increases efficiency, providing your customer's business with the reliability and performance they expect.



Features

Intel® Xeon® Processors

The Intel Xeon E5-2600 v2 processor family delivers the scalable performance and reliability needed for a server environment.

ECC Memory

By correcting 99.9% of memory errors that may occur, ECC memory ensures data safety and keeps systems running.

SATA and SAS Storage

Designed to manage server storage efficiently in 24x7 environments, the SAS and SATA hard drive options provide added storage capabilities when you need it the most.

SPECIFICATION HIGHLIGHTS



Form Factor

Pedestal

Processor

Intel Xeon E5-2600 v2 family

Memory

Up to 1TB ECC DDR3;
1866MHz; 16x DIMM sockets

Chipset

Intel® C602 Chipset

Storage

8x hot swap 3.5" SAS/SATA
HDD bays

Power Supply

920W Redundant

Contact Information

Servers Direct • www.ServersDirect.com • 800-576-7931

Product SKUs	SYS-7047R-TRF SuperServer 7047R-TRF [Black]
Motherboard	X9DRi-F
Processor/Cache	CPU Dual Socket R [LGA 2011] • Intel® Xeon® processor E5-2600 and E5-2600 v2 family [up to 130W 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 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] Memory Type 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs DIMM Sizes 32GB, 16GB, 8GB, 4GB, 2GB, 1GB Memory Voltage 1.5V, 1.35 V Error Detection Corrects single-bit errors • Detects double-bit errors [using ECC memory]
On-Board Devices	Chipset Intel® C602 Chipset SATA SATA 2.0 3Gbps with RAID 0, 1, 5, 10 • SATA 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 RTL8201N PHY [dedicated IPMI] Video G200 [Nuvoton WPCM450 BMC with graphic controller] Super I/O Nuvoton W83527
Input /Output	SATA 2x SATA 3.0 ports [6Gbps] • 8x SATA 2.0 ports [3Gbps] LAN 2x RJ45 Gigabit Ethernet LAN ports • 1x RJ45 Dedicated IPMI LAN port USB 2x Front USB 2.0 + 4x Rear USB 2.0 ports • MB: 4x rear + 6x via header + 1x Type A Video 1x VGA port Serial Port / Header 2x Fast UART 16550 ports
Expansion Slots	PCI-Express 3 [x16] PCI-E 3.0 slots • 3 [x8] PCI-E 3.0 slots
System BIOS	BIOS Type 64Mb SPI Flash EEPROM with AMI® BIOS BIOS Features Plug and Play [PnP] • APM 1.2 • DMI 2.2 • ACPI 1.0 / 2.0 • USB Keyboard support • SMBIOS 2.3 • UEFI
Chassis	Form Factor 4U Rackmountable / Tower • Optional Rackmount Kit Model CSE-745TQ-R920B
Dimensions	17.2" [H] x 7.0" [W] x 25.5" [D] • Gross Weight: 58 lbs • Available Colors: Black
Front Panel	Buttons Power On/Off button • System Reset button LEDs Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat LED • Power Fail LED Ports 2x USB Ports
Drive Bays	Hot-swap 8x Hot-swap 3.5" SAS/SATA Drive Trays Peripheral Bay(s) [90° rotatable] 2x 5.25" Peripheral Drive Bays • 1x 5.25" Bay that fits 3.5" bay devices
SAS/SATA Backplane	SAS / SATA Hard Drive Backplane w/AMI MG9072
System Cooling	Fans 3x 5000 RPM Hot-swap PWM Cooling Fans • 2x 5000 RPM Hot-swap Rear Exhaust PWM Fans 920W high-efficiency [94%+] AC-DC Redundant power supplies with PMBus and I2C
Power Supply / Power Distributor	AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp DC Output 4 Amp @ +5V standby • 75 Amp @ +12V
PC Health Monitoring	CPU Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages • 6-Phase-switching voltage regulator FAN Total of eight fan headers supporting up to 8 fans • 8x fans with tachometer status monitoring • Status monitor for speed control • Pulse Width Modulated [PWM] fan connectors Temperature Monitoring for CPU and chassis environment • CPU thermal trip support • Thermal Control for 8x fan connectors • Thermal Monitor 2 [TM2] support • PECI LED CPU / System Overheat LED • Suspend static indicator LED • UID/Remote LED Other Features Chassis intrusion detection • Chassis intrusion header
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]