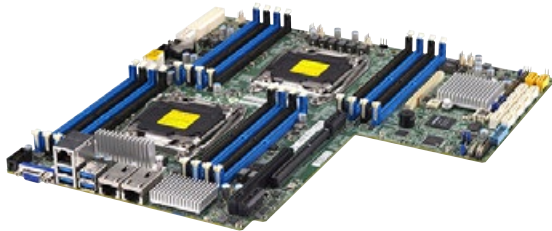


Supermicro 2U Rackmount Server

- 2U rackmount server • Intel[®] Xeon[®] E5-2600 v3 processor • Up to 1TB DDR4 2133MHz ECC memory
- 8x 3.5" hot-swap SATA/SAS HDD bays for customizable storage

The Supermicro SDR-6028R-WTRT 2U rackmount server is specifically designed for IT professionals who require a solution that is optimized for high I/O intensive enterprise applications for general purpose, ERP/MRP, and network and security appliance applications. Configured with Intel[®] Xeon[®] E5-2600 v3 series processors and featuring DDR4 ECC memory, enterprise-class SATA/SAS hard drives and integrated IPMI 2.0 and KVM with dedicated LAN, this cost-effective rackmount server provides IT professionals with the reliability, performance and scalability they expect.



Features

Intel[®] Xeon[®] Processors

The Intel Xeon E5-2600 v3 processor family delivers the scalable performance and reliability needed for an ever-changing server environment.

DDR4 2133MHz ECC Memory

By correcting 99.9% of memory errors that may occur, ECC memory ensures data safety and keeps systems running. Additionally, DDR4 memory features up to 50% increase in both bandwidth and power efficiency.

SATA/SAS Storage

Enterprise SATA/SAS storage provides the high capacities required for storage demanding applications and are designed for 24x7 server environments.

SPECIFICATION HIGHLIGHTS

Form Factor

2U Rackmount

Processor

Intel[®] Xeon[®] E5-2600 v3 series

Memory

16x DIMM sockets supporting up to 1TB of ECC DDR4 2133MHz memory

Chipset

Intel C612 Chipset

Storage

8x 3.5" hot-swap SATA/SAS HDD bays for customizable storage

Power Supply

740W redundant power supplies

Contact Information

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

**SDR-6028R-WTRT
SPECIFICATIONS**

Motherboard

Super X10DDW-iT

Processor / Cache

CPU: Intel® Xeon® Processor E5-2600 v3 family [up to 145W TDP] | Dual Socket R3 [LGA 2011]

Cores/Cache: Up to 18 cores / up to 45MB cache

System Bus: QPI up to 9.6 GT/s

System Memory

Memory Capacity: 16x 288-pin DDR4 DIMM slots | Up to 1TB ECC LRDIMM, 512GB ECC RDIMM

Memory Type: 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

DIMM Sizes: RDIMM: 32GB, 16GB, 8GB, 4GB | LRDIMM: 64GB, 32GB

Memory Voltage: 1.2V

Error Detection: Corrects single-bit errors

On-Board Devices

Chipset: Intel® C612 Express Chipset

SATA: SATA3 [6Gbps], 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 | Aspeed AST2400 BMC

Network Controllers: Intel® X540 Dual Port 10GBase-T | Virtual Machine Device Queues reduce I/O overhead | Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output | 1x Realtek RTL8211E PHY [dedicated IPMI]

Video: Aspeed AST2400 BMC

Input/Output

SAS/SATA: Customizable storage

LAN: 2x RJ45 10GBase-T ports | 1x RJ45 Dedicated IPMI LAN port

USB: 6x USB 3.0 ports [4 rear + 2 via header]

Video: 1x VGA port

Serial Port / Header: 1x Fast UART 16550 port / 1 Header

DOM: 2x SuperDOM [Disk on Module] ports

Chassis

Form Factor: 2U rackmount

Model: CSE-825TQ-R740WB

Dimensions and Weight

Width: 17.2" [437 mm]

Height: 3.5" [89 mm]

Depth: 25.5" [648 mm]

Gross weight: 52 lbs. [23.6 kg]

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 | Universal information (UID) LED

**SDR-6028R-WTRT
SPECIFICATIONS**

Expansion Slots

PCI-Express: 4 PCI-E 3.0 x8 slots (2x full height, full length, 2x full height, half length)

*Both CPUs need to be installed for full access to PCI-E slots and onboard controllers.

Drive Bays

Hot swap: 8x 3.5" Hot-swap SAS/SATA3 HDD trays (ready for PCI-E storage controller card)

Backplane

1x 2U SAS backplane w/ Enclosure Management (SAS support requires optional SAS controller)

Peripheral Drives

DVD-ROM: Slim DVD-ROM drive (optional)

System Cooling

Fans: 3x 80 mm 7,000 RPM 4-pin PWM fans

Power Supply with Power Distributor

740W (1+1) redundant high-efficiency power supply with PMBus

AC Input: 100-240 V, 50-60 Hz, 9-3.5 Amp

DC Output: 4 Amp @ +5V standby | 61.7 Amp @ +12V

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 / 3.0 / 4.0 | BIOS resume hot keys | USB keyboard support | SMBIOS 2.3 | UEFI

Operating Environment / Compliance

RoHS: RoHS Compliant

Environmental Specifications: 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)
