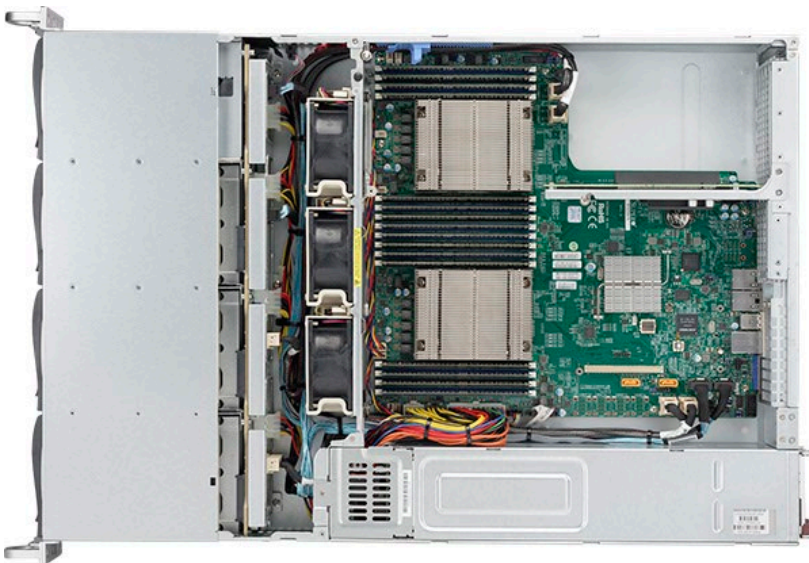


Supermicro 2U Rackmount Server

- 2U rackmount server • Intel® Xeon® E5-2600 v3 processor • Up to 1TB DDR4 2133MHz ECC memory
- 8x 3.5" SATA/SAS hot swap + 4x 2.5" NVMe drive bays

The Supermicro SDR-6028R-TDWNR 2U rackmount server is perfect for IT professionals who require a solution that is optimized for high I/O intensive enterprise applications in advanced data mining and financial transaction markets. Configured with NVMe server storage technology, Intel® Xeon® E5-2600 v3 series processors and featuring DDR4 ECC memory, enterprise-class SATA/SAS hard drives and dual GbE ports, this rackmount server provides IT professionals with the reliability, performance and cost savings 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.

NVMe Server Technology

Delivering up to 6x IOPS throughput and 7.2x latency improvement over existing SATA 6Gb/s SSDs and supporting Intel's new solid state drive PCIe family, the application-optimized NVMe platforms deliver greater energy efficiency and reliability, making it ideal for high-intensity workloads.

SPECIFICATION HIGHLIGHTS

Form Factor

2U Rackmount

Processor

Intel® Xeon® E5-2600 v3 series

Memory

Up to 1TB ECC DDR4, up to 2133MHz 16x DIMM sockets

Chipset

Intel C612 Chipset

Storage

8x 3.5" SATA/SAS hot swap + 4x 2.5" NVMe drive bays

Power Supply

920W redundant power supplies

Contact Information

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

**SDR-6028R-TDWNR
SPECIFICATIONS**

Motherboard

Super X10DDW-iN

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 sockets | 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® i350 Dual Port 10GBase-T | Virtual Machine Device Queues reduce I/O Overhead | Supports 1GBASE-T, 10GBASE-TX, and 100GBASE-T, RJ45 output | 1x Realtek RTL8211E PHY [dedicated IPMI]

Video: Aspeed AST2400 BMC

Input/Output

SATA: 8x SATA 3.0 ports [6Gbps]

NVMe: 4x internal NVMe ports

LAN: 2x RJ45 Gigabit Ethernet LAN ports | 1x RJ45 Dedicated IPMI LAN port

USB: 2x USB 3.0 ports [rear] | 2x USB 2.0 ports [rear]

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-826BAC4-R920WB

Dimensions and Weight

Width: 17.2" [437 mm]

Height: 3.5" [89 mm]

Depth: 25.5" [648 mm]

Package: 11.4" [H] x 26.7" [W] x 34.5" [D]

Weight: Gross weight: 64 lbs. [29.0 kg] | Net weight: 36 lbs. [16.3 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-TDWNR
SPECIFICATIONS**

Expansion Slots

PCI-Express: 1 PCI-E 3.0 x16 slots (full height, half length) | 2 PCI-E 3.0 x8 slots (full height, half length) | 1 PCI-E 3.0 slot (low profile)

*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 SATA3 drive trays | 4x 2.5" NVMe drive trays

Backplane

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

System Cooling

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

Power Supply with Power Distributor

920W high-efficiency AC-DC redundant power supplies with PMBus and I2C

AC Input: 100-240 V, 50-60 Hz, 11-4.5 Amp

DC Output: 4 Amp @ +5V standby | 75 Amp @ +12V

With Power Distributor: +5V: 45 Amp | +3.3V: 24 Amp | -12V: 0.6 AMP

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: 5°C to 40°C [41°F to 104°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)
