

Supermicro 1U Rackmount Server

- 1U rackmount server • Intel[®] Xeon[®] E5-2600 v3 processor
- Up to 512GB DDR4 2133MHz ECC REG memory • 8x 2.5" hot swap SAS/SATA drive bays

Combining performance with a space-efficient rackmount design, the Supermicro SDR-2P8D-001 1U rackmount server is the perfect solution for IT professionals who require high I/O pass through, high performance and reduced energy in high-density cloud infrastructures, data storage, application and data serving markets. Configured with the Intel[®] Xeon[®] E5-2600 v3 series processor and featuring DDR4 ECC REG memory, enterprise-class SAS/SATA hard drives, 2x 1G NIC ports (on-board) and choice of fixed/redundant power supplies, this latest rackmount server provides IT professionals with the reliability, performance and cost savings they expect.



Features

Intel[®] Xeon[®] Processors

The latest Intel Xeon E5-2600 v3 processor family delivers a significant increase in workload performance, scalability and reliability needed for an ever-changing server environment.

DDR4 2133MHz ECC REG Memory

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

SAS/SATA Storage

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

SPECIFICATION HIGHLIGHTS

Form Factor

1U Rackmount

Chip Set

Intel C612 Chipset

Storage

8x 2.5" hot swap SAS/SATA drive bays

Processor

Intel[®] Xeon[®] E5-2600 v3 series

Connectivity

Dual Intel i210 single port GbE LAN

Power Supply

563W fixed or 400W redundant power supplies

Memory

Up to 512GB ECC DDR4, up to 2133MHz 8x DIMM sockets

Contact Information

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

**SDR-2P8D-001
SPECIFICATIONS****Form Factor**

1U chassis support M-ATX [9.6" x 9.6"] and ATX [12" x 10"] motherboard

Processor Support

Supports single Intel® Xeon® E5-2600 v3 processors

Dimensions

Width: 17.2" [437 mm]

Height: 1.7" [43 mm]

Depth: 19.98" [508 mm]

Gross weight: 52 lbs. [23.6 kg] | Net weight: 21 lbs. [9.5 kg]

Available Colors: Black

Expansion Slots

1x full height PCIe x8 expansion slot

Drive Bays

Hot swap: 8x 2.5" Hot-swap SAS2 (6Gb/s) / SATA HDD trays | SAS or enterprise SATA HDD only recommended

SAS/SATA Backplane

1x 1U SAS/SATA backplane

Peripheral Drives

DVD-ROM: Slim DVD-ROM drive or front USB

Front Panel

Buttons: Power On/Off button | System Reset button | UD button

LEDs: Power status LED | HDD activity LED | 2x network activity LEDs | Universal information (UID) LED

System Cooling

Fans: 4x 40x28mm high-efficiency PWM fans | 2x additional fans optional; 6x fans total maximum

Operating Environment (System)

Operating temperature range: 5°C to 35°C [41°F to 95°F] | Non-operating temperature range: -40°C to 60°C [-40°F to 140°F] | Operating relative humidity range: 8% to 90% [non-condensing] | Non-operating relative humidity range: 5% to 95% [non-condensing]

Power Supply

920W (1+1) Fixed/redundant Super Compact short depth AC-DC gold level power supply with PMBus and 12C

AC Input: 400W: 100-240 V, 50-60 Hz, 6-3 Amp

DC Output +5V Standby: 3 Amp

DC Output +12V: 33 Amp

With Power Distributor: +5V: 25 Amp | +3.3V: 25 Amp | -12V: 0.6 Amp

Regulatory (Power Supply)

Power Supply Safety / EMC: USA - UL listed, FCC | Canada - CUL listed | EN 60950/IEC 60950-Compliant | Europe/CE Mark | Taiwan - BSMI