

# Supermicro 12Gbps 2U Rackmount Server

- 2U rackmount server • Intel<sup>®</sup> Xeon<sup>®</sup> E5-2600 v3 processor
- Up to 1TB DDR4 2133MHz ECC REG memory • 12x 3.5" SAS3/SATA3 HDD bays with SES2

Combining performance with a space-efficient rackmount design, the Supermicro SDR-2P12D-001 2U 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<sup>®</sup> Xeon<sup>®</sup> E5-2600 v3 series processor and featuring DDR4 2133MHz ECC REG memory, enterprise-class SAS3/SATA3 [SAS3 via LSI discrete controllers] hard drives and choice of 2x/4x 1G or 10G NIC ports [on-board], this latest rackmount server provides IT professionals with the reliability, performance and cost savings they expect.



## Features

### Intel<sup>®</sup> Xeon<sup>®</sup> 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.

### SAS3/SATA3 Storage

Enterprise SAS3/SATA3 storage provides high capacities and I/O's required for storage demanding applications and are designed for 24x7 environments.

## SPECIFICATION HIGHLIGHTS

### Form Factor

2U Rackmount

### Chip Set

Intel C612 Chipset

### Storage

12x 3.5" SAS3/SATA3 HDD bays with SES2

### Processor

Intel<sup>®</sup> Xeon<sup>®</sup> E5-2600 v3 series

### Connectivity

Intel i350 1G or  
Intel X540 10G

### Power Supply

920W redundant power supplies

### Memory

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

## Contact Information

**Servers Direct** • [www.ServersDirect.com](http://www.ServersDirect.com) • 800-576-7931

**SDR-2P12D-001  
SPECIFICATIONS****Form Factor**

2U chassis support for max. motherboard size - 13.68" x 13" and EATX  
\*Support up to E-ATX 12"x13" MB with rear 2.5" HDD option installed

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**Processor Support**

Supports dual Intel® Xeon® E5-2600 v3 processors

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**Dimensions**

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

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**Expansion Slots**

6x low profile full length expansion slots

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**Drive Bays**

Hot swap: 12x 3.5" Hot-swap SAS3/SATA drive trays and optional 2x 2.5" Hot-swap SATA3 drive bays for OS mirroring

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**Backplane**

SAS3 single port or dual port expander backplane features: up to 12Gbps support | In-band SES-2 Enclosure Management Support | SAS3/SATA3 support | mini-SAS HD connectors | scalability through cascading

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**Front Panel**

Buttons: Power On/Off button | System Reset button

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**System Cooling**

3x 80mm 7K RPM Chassis middle fan w/ housing

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**System Monitoring**

Chassis intrusion switch

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**Operating Environment (System)**

Operating temperature range: 10°C to 35°C [50°F to 95°F] | Non-operating temperature range: -40°C to 60°C [-40°F to 140°F] | Humidity range: 8% to 90% [non-condensing] | Non-operating humidity range: 5% to 95% [non-condensing]

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**Power Supply with Power Distributor**

920W high-efficiency [94%+] power supply with PMBus  
AC Input: 100-240 V, 50-60 Hz, 11-4.4 Amp  
DC Output: 4 Amp @ +5V standby | 75 Amp @ +12V  
With Power Distributor: +5V: 45 Amp | +3.3V: 24 Amp | -12V: 0.6 Amp

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**Regulatory (Power Supply)**

Power Supply Safety / EMC: USA - UL listed | Canada - CUL listed | Germany - TUV Certified | EN 60950/IEC 60950-Compliant | CB Report | CCC Certification