



# 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 i2056R1 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 2133MHz ECC REG memory, enterprise-class SAS/SATA 2.5" 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

### Processor

Intel® Xeon® E5-2600 v3 series

### Chipset

Intel C612 Chipset

### Memory

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

### Form Factor

1U Rackmount

### Storage

8x 2.5" hot swap SAS/SATA drive bays

### Power Supply

563W fixed or 400W redundant power supplies

### Connectivity

Dual Intel i210 single port GbE LAN

## Contact Information

Equus Computer Systems • [www.EquusCS.com](http://www.EquusCS.com) • 866-378-8727



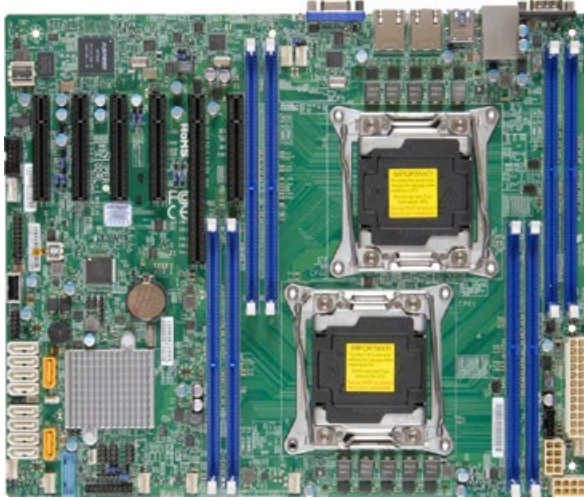
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**E5-2600 v3  
Server Motherboard**

## I2056R1 SPECIFICATIONS

<b>Form Factor</b>	1U chassis support M-ATX (9.6" x 9.6") and ATX (12" x 10") motherboard
<b>Processor Support</b>	Supports dual Intel® Xeon® E5-2600 v3 processors
<b>Dimensions</b>	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
<b>Expansion Slots</b>	1x full height PCIe x8 expansion slot
<b>Drive Bays</b>	Hot swap: 8x 2.5" Hot-swap SAS2 (6Gb/s) / SATA HDD trays   SAS or enterprise SATA HDD only recommended
<b>SAS/SATA Backplane</b>	1x 1U SAS/SATA backplane
<b>Peripheral Drives</b>	DVD-ROM: Slim DVD-ROM drive or front USB
<b>Front Panel</b>	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
<b>System Cooling</b>	Fans: 4x 40x28mm high-efficiency PWM fans   2x additional fans optional; 6x fans total maximum
<b>Operating Environment (System)</b>	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)
<b>Power Supply</b>	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
<b>Regulatory (Power Supply)</b>	Power Supply Safety / EMC: USA - UL listed, FCC   Canada - CUL listed   EN 60950/IEC 60950-Compliant   Europe/CE Mark   Taiwan - BSMI