

## Supermicro SDR-6018R-MT 1U Rackmount Server

- Mainstream application optimized • Short depth of 20"
- 4x 3.5" hot-swap SATA3 HDDs • Energy efficient power supply

Designed for enterprise and medium businesses, the **Supermicro SDR-6018R-MT 1U rackmount server** is energy efficient and optimized for mainstream applications. With a depth of just 20 inches, this 1U features 4x 3.5" HDDs, 8 DDR4 DIMM sockets, 94% efficient power supply, and a motherboard that supports dual Intel® Xeon® E5-2600 v3 processors, making this the right solution for datacenter use where energy costs and space are a concern.

### Key Features

#### Mainstream Application Optimized

Supporting mainstream applications like general purpose datacenter servers, web servers and enterprise/workgroup server systems, choose the integrated features that fit your applications, saving significant amounts on CAPEX.

#### Short depth

At just 20 inches deep, this scalable server can be used in various racks where space is limited, making it possible to increase the number of servers in a small space.

#### 4x SATA HDDs

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

#### Energy Efficient Power Supply

The platinum-certified power supply features 94% efficiency, making this a cost-effective solution for the server itself as well as overall datacenter cooling costs.



## SPECIFICATION HIGHLIGHTS

### Processor

2x Intel® Xeon® E5-2600 v3 family [supports up to 18 cores and 45MB of cache per CPU]

### Networking

Intel i210 dual Gigabit Ethernet ports

### Chipset

Intel® C612 Chipset

### Memory

8x DDR4 ECC REG 2133MHz DIMM sockets supporting up to 512GB

### Storage

4x 3.5" hot swap SATA3 HDD bays

### Form Factor

1U Rackmount

### Power Supply

440W/480W AC power supply with PFC

## Contact Information

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

**SDR-6018R-MT  
SPECIFICATIONS**

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**Motherboard**

Super X10DRL-i

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**Processor / Cache**

CPU: Intel® Xeon® Processor E5-2600 v3 family [up to 135W 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

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**System Memory**

Memory Capacity: 8x 288-pin DDR4 DIMM slots | Up to 512GB ECC LRDIMM, 256GB 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

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**On-Board Devices**

Chipset: Intel® C612 Chipset

SATA: I-SATA 4 & I-SATA 5 support SATA DOM | 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® i210 Gigabit Ethernet controller | Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output | 1x Realtek RTL8211E PHY [dedicated IPMI]

Video: Aspeed AST2400 BMC

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**Input/Output**

SATA: 4x SATA3 [6Gbps] 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] | 1x Type A

Video: 1x VGA port

Serial Port / Header: 2x Fast UART 16550 port / 1 header

DOM: 2x SuperDOM [Disk on module] ports

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**Chassis**

Form Factor: 1U rackmount

Model: CSE-813MFTQ-441CB

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**Dimensions and Weight**

Width: 17.2" [437 mm]

Height: 1.7" [43 mm]

Depth: 19.8" [503 mm]

Gross Weight: 36 lbs. [16.33 kg]

Available Colors: Black

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**SDR-6018R-MT  
SPECIFICATIONS**

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**Front Panel**

Buttons: Power On/Off button | System Reset button  
LEDs: Power status LED | HDD activity LED | 2x Network activity LEDs | Universal Information (UID) LED  
Ports: 2x Front USB 2.0 Ports

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**Expansion Slots**

PCI-Express: 4 PCI-E 3.0 x8 full-height half-length

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**Drive Bays**

Hot swap: 4x 3.5" hot-swap SATA HDD trays

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**Backplane**

1U SATA / SAS HDD backplane

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**System Cooling**

Fans: 5x 4cm 17.5K RPM PWM fans

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**Power Supply**

440W/480W AC power supply with PFC

AC Voltage: 100-140V, 5.5-4 Amp, 50-60Hz | 180-240V, 3.5-2.5 Amp, 50-60Hz

+5V: 18 Amp

+5V Standby: 3 Amp

+12V: 38.8A at 100-140Vac | 39.1A at 180-240Vac

+3.3V: 15 Amp

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**System BIOS**

BIOS Type: 128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features: Plug and Play (PnP) | APM 1.2 | PCI 2.3 | ACPI 3.0 / 4.0 | USB keyboard support | SMBIOS 2.7.1 | UEFI 2.3.1

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**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)

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