

# Supermicro SDR-5018A-M

- 1U rackmount server • Intel<sup>®</sup> Atom<sup>™</sup> C2000 processor
- Up to 64GB DDR3 ECC memory • 4x 3.5" SATA HDD bays

Combining performance with a space-efficient design, the Supermicro SDR-5018A-M 1U rackmount server solutions are the perfect solution for entry level server platforms and embedded IPC market applications. Configured with an Intel<sup>®</sup> Atom<sup>™</sup> C2000 series processor and featuring DDR3 ECC memory, four enterprise-class SATA hard drives, quad GbE ports and system on chip design, this latest low power, multi-core processor servers support diverse applications, providing IT professionals with the reliability, performance and cost savings they expect.



## Features

### Intel<sup>®</sup> Atom<sup>™</sup> Processors

The Intel Atom C2000 series processor delivers performance, power efficiency and reliability needed in today's server environments.

### ECC Memory

By correcting 99.9% of memory errors that may occur, ECC memory ensures data safety and keeps systems running.

### SATA Storage

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

## SPECIFICATION HIGHLIGHTS



### Form Factor

1U Rackmount

### Processor

Intel Atom C2000 series

### Memory

Up to 64GB DDR3 1600MHz  
ECC UDIMM in 4 DIMM sockets

### Storage

4x 3.5" SATA3 HDD bays

### Power Supply

200W low noise power supply  
with PFC

## Contact Information

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

**SDR-5018A-M  
SPECIFICATIONS****Motherboard**

Super A1SRM-2758F or Super A1SRM-2550F

**Processor / Cache**

Intel® Atom™ Processor C2758 • CPU TDP 20W [8-Core] • FCBGA 1283 • System-on Chip or  
Intel® Atom™ Processor C2550 • CPU TDP 14W [4-Core] • FCBGA 1283 • System-on Chip

**System Memory**

- Memory Capacity: 4x 240-pin DDR3 sockets • Supports up to 64GB DDR3 ECC memory
- Memory Type: 1600/1333MHz ECC SDRAM, 240-pin gold-plated DIMMs, x8 width only
- DIMM Size: 16GB, 8GB, 4GB, 2GB
- Memory Voltage: 1.5V, 1.35V
- Error Detection: Corrects single-bit errors • Detects double-bit errors (using ECC memory)

**On-Board Devices**

- SATA: SoC SATA3 [6Gbps], SATA2 [3Gbps]
- Network Controllers: C2000 Soc I354 Quad GbE Controllers [MACs] • Virtual Machine Device Queues reduce I/O Overhead • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- USB 2.0: C2000 SoC
- 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
- Video: BMC integrated Aspeed AST2400

**Input/Output**

- Serial ATA: 2x SATA3 [6Gbps] ports • 4x SATA2 [3Gbps] ports
- LAN: 4x RJ45 Gigabit Ethernet LAN ports • 1x RJ45 Dedicated IPMI LAN port
- USB: 7x USB 2.0 ports [4 rear, 1 Type A, 2 via header]
- Serial Port: 2x Fast UART 16550 Serial Port [1 rear, 1 via header]
- DOM: 1x SATA DOM [Disk on Module] power connector
- VGA: 1x VGA Port
- Others: TPM 1.2 header

**Chassis**

Form Factor: 1U rackmount • Model: CSE-813MTQ-202CB

**Dimensions**

- Height: 1.7" [43 mm] • Width: 17.2" [437 mm] • Depth: 19.8" [503 mm] • Weight: Net weight: 8 lbs. [3.62 kg]
- Gross weight: 31 lbs. [14.1 kg] • Available Colors: Black

**Front Panel**

Buttons: Power On/Off button • System Reset button

LEDs: Power LED | Hard drive activity LED • 2x Network activity LEDs • System Overheat LED

**Expansion Slots**

PCI-E: 1x PCI-E 2.0 x8 slot via riser

**Drive Bays**

HDD: 4x 3.5" hot-swap SATA2 hard drive bays

**Power Supply**

200W Low Noise AC-DC power supply with PFC

AC Voltage: 100 - 240V, 50-60Hz, 3-1.5 Amp Max

+5V: 16.0 Amp

+5V standby: 2.0 Amp

+12V: 15.0 Amp

-12V: 0.8 Amp

+3.3V: 17.0 Amp

**System BIOS**

BIOS Type: 128Mb SPI Flash EEPROM with AMI UEFI BIOS

BIOS Features: Plug and Play [PnP] • DMI 2.3 • ACPI 5.0 • USB keyboard support • SMBIOS 2.7.1 • UEFI

**Operating Environment / Compliance**

RoHS: RoHS Compliant

Environmental Specifications: Operating temperature: 10° to 35° [50°F to 95°F] • Non-operating temperature: -40° to 70° [-40°F to 158°F] • Operating Relative Humidity: 8% to 90% [non-condensing] • Non-operating relative humidity: 5% to 95% [non-condensing]