

Supermicro SDR-5018A-TN4

- 1U rackmount server • Intel[®] Atom[™] C2750 processor
- Up to 32GB DDR3 ECC memory • 2x 3.5" fixed HDD bays

Combining performance with a space-efficient design, the Supermicro SDR-5018A-TN4 1U rackmount server is the perfect solution for entry level server platforms and embedded IPC market applications. Configured with an Intel[®] Atom[™] C2750 processor and featuring DDR3 ECC memory, two fixed enterprise-class SATA hard drives and dedicated LAN management NIC, this latest server is easy to deploy and features low power consumption, providing IT professionals with the reliability, performance and cost savings they expect.



Features

Intel[®] Atom[™] Processors

The Intel Atom C2750 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 C2750

Memory

Up to 32GB ECC DDR3;
1600MHz

Power Supply

200W low noise power supply with PFC

Storage

2x 3.5" fixed SATA3 HDD bays /
4x 2.5" SATA2 HDD optional

Contact Information

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

**SDR-5018A-TN4
SPECIFICATIONS****Motherboard**

Super A1SAi-2750F

Processor / Cache

Intel® Atom™ Processor C2750 • CPU TDP 20W [8-Core] • FCBGA 1283 • System-on Chip

System Memory

- Memory Capacity: 4x 204-pin DDR3 SO-DIMM sockets • Supports up to 32GB DDR3 ECC memory
- Memory Type: 1600/1333MHz ECC DDR3 SDRAM 72-bit, 204-pin gold-plated DIMMs
- DIMM Size: 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: C2000 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
- 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

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: 4x USB 3.0 ports [2 rear, 1 Type A, 1 via header] • 2x USB 2.0 ports [2 rear]
- 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 • 4-pin 12V DC power input or 24-pin ATX power input

Chassis

Form Factor: 1U rackmount • Model: CSE-504-203B

Dimensions

- Height: 1.7" [43 mm] • Width: 17.2" [437 mm] • Depth: 9.8" [249 mm]
- Weight: Net weight: 8 lbs. [3.62 kg] • Gross weight: 12 lbs. [5.44 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 • Information LED [temperature and status]

Expansion Slots

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

Drive Bays

HDD: 2x 3.5" or 4x 2.5" internal SATA2 hard drive bays [optional]

Power Supply

200W Low Noise AC-DV power supply with PFC

AC Voltage: 100 - 240V, 50-60Hz, 2.6 Amp Max

+5V: 8.0 Amp [max.]

+5V standby: 2.0 Amp [max.]

+12V: 16 Amp [max.]

-12V: 0.5 Amp [max.]

+3.3V: 8.0 Amp [max.]

System BIOS

BIOS Type: 64Mb 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]