

SuperServer 5018A-LTN4



Integrated Board



A1SRI-2358F

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Key Features

- Intel QuickAssist Technology
- Embedded 7-Year product life
- DDR3 up to 1333MHz Up to 16GB ECC SODIMM
- Compact form factor < 10" depth
- Low Power

1. Intel® Atom processor C2358, SoC, FCBGA 1283, 7W 2-Core
2. Intel® System-on-Chip Design
3. 4x 2.5" or 2x 3.5" Fixed drive bays
4. 1x PCI-E 2.0 x8 slot
5. Up to 16GB DDR3 1600MHz ECC SO-DIMM in 2 DIMM slots
6. 4x GbE via Intel® C2000 SoC
7. DOM power connector
8. 200W Low-noise power supply w/ PFC

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-5018A-LTN4 ■ SuperServer 5018A-LTN4 (Black)

Motherboard

Super A1SRI-2358F

Processor/Cache

CPU ■ Intel® Atom™ Processor C2358
 ■ CPU TDP 7W (2-Core)
 ■ FCBGA 1283
 ■ System-on-Chip

System Memory

Memory Capacity ■ 2x 204-pin DDR3 SO-DIMM slot
 ■ Supports up to 16GB DDR3 ECC Un-Buffered memory

Memory Type ■ 1333MHz ECC DDR3 SDRAM, 204-pin gold-plated DIMMs
 ■ Some 1600MHz memory can be used, but will operate at 1333MHz

DIMM **GjnYg** ■ 8GB, 4GB, 2GB

Chassis

Form Factor ■ 1U Rackmount
 Model ■ [CSE-504-203B](#)

Dimensions and Weight

Height ■ 1.7" (43mm)
 Width ■ 17.2" (437mm)
 Depth ■ 9.8" (249mm)

Weight ■ Net Weight: 12 lbs (5.44 kg)
 ■ Gross Weight: 10 lbs (4.5 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 (temp., status)

| | |
|-----------------------|---|
| Memory Voltage | <ul style="list-style-type: none"> 1.5 V, 1.35 V |
|-----------------------|---|

On-Board Devices

| | |
|----------------------------|--|
| SATA | <ul style="list-style-type: none"> SoC SATA3 (6Gbps), SATA2 (3Gbps) |
| Network Controllers | <ul style="list-style-type: none"> C2000 SoC I354 Quad GbE Controller (MACs) Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output |
| IPMI | <ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Aspeed AST 2400 BMC |
| USB 3.0 | <ul style="list-style-type: none"> Renesas uPD720201 |
| Video | <ul style="list-style-type: none"> BMC integrated Aspeed AST2400 |

Input / Output

| | |
|--------------------|--|
| SATA | <ul style="list-style-type: none"> 2x SATA3 (6Gbps) ports 2x SATA2 (3Gbps) ports |
| LAN | <ul style="list-style-type: none"> 4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> 4x USB 3.0 ports (2 rear, 1 Type A, 1 via header) 2x USB 2.0 ports (2 rear) |
| Serial Port | <ul style="list-style-type: none"> 2x Fast UART 16550 Serial Port (1 rear, 1 via header) |
| DOM | <ul style="list-style-type: none"> 1x SATA DOM (Disk on Module) power connector |
| VGA | <ul style="list-style-type: none"> 1x VGA Port |
| Others | <ul style="list-style-type: none"> TPM 1.2 header |

Expansion Slots

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|--------------|--|
| PCI-E | <ul style="list-style-type: none"> 1x PCI-E 2.0 x8 slot |
|--------------|--|

Drive Bays

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|------------|---|
| HDD | <ul style="list-style-type: none"> 4x 2.5" or 2x 3.5" Fixed drive bays |
|------------|---|

System Cooling

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|-------------|--|
| Fans | <ul style="list-style-type: none"> 1x High-efficiency power supply with thermal control fan |
|-------------|--|

Power Supply

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|--|--|
| 200W Low Noise AC-DC power supply with PFC | |
| AC Voltage | <ul style="list-style-type: none"> 100 - 240V, 50-60Hz, 2.6 Amp Max |
| +5V | <ul style="list-style-type: none"> 8.0 Amp (max.) |
| +5V standby | <ul style="list-style-type: none"> 2.0 Amp (max.) |
| +12V | <ul style="list-style-type: none"> 16 Amp (max.) |
| -12V | <ul style="list-style-type: none"> 0.5 Amp (max.) |
| +3.3V | <ul style="list-style-type: none"> 8.0 Amp (max.) |



Gold Certified

Certification

System BIOS

| | |
|----------------------|--|
| BIOS Type | <ul style="list-style-type: none"> 64Mb SPI Flash EEPROM with AMI UEFI BIOS |
| BIOS Features | <ul style="list-style-type: none"> Plug and Play (PnP) DMI 2.3 ACPI 5.0 USB Keyboard support SMBIOS 2.7.1 UEFI |

Operating Environment / Compliance

| | |
|----------------------------|---|
| RoHS | <ul style="list-style-type: none"> RoHS Compliant |
| Environmental Spec. | <ul style="list-style-type: none"> 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) |

Parts List

Parts List - (Items Included)

| | Part Number | Qty | Description |
|------------------------------|------------------|-----|--|
| Motherboard / Chassis | MBD-A1SRI-2358F | 1 | Super A1SRI-2358F Motherboard |
| | CSE-504-203B | 1 | 1U Chassis |
| Cable 1 | CBL-0044L | 4 | SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat |
| Parts | MCP-120-00063-0N | 1 | Riser card bracket for slot-7 in SC504 |
| Riser Card | RSC-RR1U-E8 | 1 | RSC-RR1U-E8 (Rev 4.00) |
| Fan | FAN-0100L4 | 1 | 40X28MM 4-PIN PWM FAN FOR SC510 & SC511 |
| Power Supply | PWS-203-1H | 1 | 1U 200W Multi-output 80Plus Gold PWS |

Optional Parts List

| | Part Number | Qty | Description |
|--------------------|------------------|-----|--|
| HDD Bracket | MCP-220-00044-0N | - | Dual 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U |
| HDD Bracket | MCP-220-00051-0N | - | Single 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U |