

SuperServer 5018A-LTN4



Key Features

- Intel QuickAssist Technology Embedded 7-Year product life**
 - DDR3 up to 1333MHz Up to 16GB ECC SODIMM**
 - Compact form factor 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

Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [Manuals](#) | [Drive Options](#)

Note: Image above may show a varied configuration of 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 Sizes 8GB, 4GB, 2GB

Memory Voltage 1.5 V, 1.35 V

On-Board Devices

SATA SoC SATA3 (6Gbps), SATA2 (3Gbps)

Network Controllers 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 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 Renesas uPD720201

Video BMC integrated Aspeed AST2400

Input / Output

SATA 2x SATA3 (6Gbps) ports
2x 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

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)

Expansion Slots

PCI-E 1x PCI-E 2.0 x8 slot

Drive Bays

HDD 4x 2.5" or 2x 3.5" Fixed drive bays

System Cooling

Fans 1x High-efficiency power supply with thermal control fan

Power Supply

200W Low Noise AC-DC 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.)

Certification **Gold Certified**

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 Spec. 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,INT,FLAT,57.7CM,26AWG
Riser Card	MCP-120-00063-0N	1	Riser card bracket for slot-7 in SC504
	RSC-RR1U-E8	1	RSC-RR1U-E8
	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

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