

SuperServer 5018A-MLTN4



Key Features

- Cost-Effective 4-Core Atom Avoton Solution**
- Space-efficient, compact design**
- Fast to build and deploy**
- Gateway, file-sharing, security**
- 1. Intel® Atom processor C2550, SoC, FCBGA 1283, 14W 4-Core
- 2. Intel® System-on-Chip Design
- 3. 2x 3.5" Fixed SATA3 HDD bays or 4x 2.5" SATA2 HDD optional
- 4. 1x PCI-E 2.0 x8, 1x PCI-E 2.0 x4
- 5. Up to 64GB DDR3 1600MHz ECC or non-ECC UDIMM in 4 DIMM slots
- 6. Quad GbE ports, IPMI w/ dedicated LAN
- 7. DOM power connector
- 8. 200W Low-noise power supply w/ PFC

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Manuals](#) [OS Certification Matrix](#) [Quick-References Guide](#) [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-MLTN4 SuperServer 5018A-MLTN4 (**Black**)

Motherboard

Super A1SAM-2550F

Processor/Cache

CPU Intel® Atom® Processor C2550
CPU TDP 14W (4-Core)
FCBGA 1283
System-on-Chip

System Memory

Memory Capacity 4x 240-pin DDR3 UDIMM sockets
Supports up to 64GB DDR3 ECC memory

Memory Type 1600/1333MHz ECC or non-ECC UDIMM SDRAM, 240-pin gold-plated DIMMs, x8 width only

DIMM Sizes 16GB, 8GB, 4GB, 2GB

Memory Voltage 1.5 V, 1.35 V

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

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 AST 2400 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-512L-200B**

Dimensions and Weight

Height 1.7" (43mm)

Width 16.8" (426mm)

Depth 14.0" (356mm)

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

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-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 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-A1SAM-2550F	1	Super A1SAM-2550F Motherboard
	CSE-512L-200B	1	1U Chassis
Cable 1	CBL-0061L	1	SATA,INT,FLAT,31.5CM,26AWG
Manual	MNL-1581-QRG	1	SYS-5018A-MLTN4 QRG
Power Supply	PWS-202-1H	1	200W,1U W/ STANDARD HARNESS OUTPUT LC

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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