

SuperServer 5018A-MLTN4



Integrated Board



A1SAM-2550F

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



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-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

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

Memory Type	<ul style="list-style-type: none"> 1600/1333MHz ECC or non-ECC UDIMM SDRAM, 240-pin gold-plated DIMMs, x8 width only
DIMM Sizes	<ul style="list-style-type: none"> 16GB, 8GB, 4GB, 2GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
On-Board Devices	
SATA	<ul style="list-style-type: none"> C2000 SoC SATA3 (6Gbps), SATA2 (3Gbps)
Network Controllers	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> C2000 SoC
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
Video	<ul style="list-style-type: none"> BMC integrated ASPEED AST2400
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 2x SATA3 (6Gbps) ports 4x 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"> 7x USB 2.0 ports (4 rear, 1 Type A, 2 via header)
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

LEDs	<ul style="list-style-type: none"> Power LED Hard drive activity LED 2x Network activity LEDs System Overheat LED
Expansion Slots	
PCI-E	<ul style="list-style-type: none"> 1x PCI-E 2.0 x8 slot via riser
Drive Bays	
HDD	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 100 - 240V, 50-60Hz, 3-1.5 Amp Max
+5V	<ul style="list-style-type: none"> 16.0 Amp
+5V standby	<ul style="list-style-type: none"> 2.0 Amp
+12V	<ul style="list-style-type: none"> 15.0 Amp
-12V	<ul style="list-style-type: none"> 0.8 Amp
+3.3V	<ul style="list-style-type: none"> 17.0 Amp
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb 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

[See 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	35CM end to end, SATA CABLE, PB FREE, 26AWG, flat
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

[Hide Parts List](#)