

SuperChassis 512L-200B



Key Features

1. 200W Power Supply
2. 2x 3.5" Internal Drive Bays
3. 1x 10cm Blower Fan
4. 1x I/O Expansion Slot
5. Power Switch, Reset, and 5x LED Indicators

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

Specifications

Product SKU

CSE-512L-200B ■ SuperChassis 512L-200B (Black)

Form Factor

14" Mini 1U chassis support for max. motherboard size - 12" x 9.6" ATX

Processor Support

Supports single Intel® / AMD processor

Dimensions

Height	1.7" (43mm)
Width	16.8" (426mm)
Depth	14.0" (356mm)
Gross Weight	11 lbs (5kg)
Available Color	Black

Expansion Slot

1x full-height half-length expansion slot (Riser Card Required)

Drive Bays

Internal Bay	2x 3.5" internal drive bays SAS or enterprise SATA HDD only recommended
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Front Panel

Buttons	<ul style="list-style-type: none"> • Power On/Off button • System Reset button
LEDs	<ul style="list-style-type: none"> • Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat LED

Motherboard (for CSE-512L-200B)

A1SAM-2550F	A1SAM-2750F
A1SRM-2558F	A1SRM-2758F
A1SRM-LN5F-2358	A1SRM-LN7F-2358
A1SRM-LN7F-2758	H8SML-7
H8SML-7F	H8SML-i
H8SML-iF	X11SSL
X11SSL-F	X11SSM
X11SSM-F	

System Cooling

Fans	1x 10cm 3,800 RPM PWM blower fan
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Operating Environment (System)

Operating Temperature Range	■ 5°C ~ 35°C (41°F ~ 95°F)
Non-Operating Temperature Range	■ -40°C ~ 60°C (-40°F ~ 140°F)
Operating Relative Humidity Range	■ 8% ~ 90% (non-condensing)
Non-Operating Relative Humidity Range	■ 5% - 95% (non-condensing)

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

Regulatory (Power Supply)

Power Supply Safety / EMC	<ul style="list-style-type: none"> • USA - UL listed, FCC • Canada - CUL listed • Germany - TUV Certified • Europe/CE Mark • EN 60950/IEC 60950-Compliant
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A1SRi-2358F



**Rangeley, Low Power
Communication
Intel® QuickAssist Technology**

Key Features

1. Intel® Atom processor C2358, SoC, FCBGA 1283, 7W 2-Core
2. Up to 16GB Unbuffered ECC SO-DIMM, DDR3-1333MHz, in 2 DIMM slots
3. Quad GbE LAN ports with SoC
4. IPMI with dedicated LAN
5. 2x SATA3 and 2x SATA2 ports
6. 1x PCI-E 2.0 x8 slot
7. 4x USB 3.0 (2 rear, 1 via header, 1 Type A), 2x USB 2.0 ports (rear)
8. 12V DC or ATX Power input
9. Operating Temperature: 0°C - 60°C
10. 7-Year product life

Specifications

Product SKUs	
MBD-A1SRi-2358F -O	■ A1SRi-2358F (Retail Pack)
MBD-A1SRi-2358F -B	■ A1SRi-2358F (Bulk Pack)
Physical Stats	
Form Factor	■ Mini-ITX
Dimensions	■ 6.75" x 6.75" (17.145cm x 17.145cm)
Processor/Cache	
CPU	<ul style="list-style-type: none"> ■ Intel® Atom™ Processor C2358 ■ CPU TDP 7W (2-Core) ■ FCBGA 1283 ■ System-on-Chip
System Memory	
Memory Capacity	<ul style="list-style-type: none"> ■ 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
DIMM Sizes	■ 8GB, 4GB, 2GB
Memory Voltage	■ 1.5 V, 1.35 V
On-Board Devices	
SATA	<ul style="list-style-type: none"> ■ SoC SATA3 (6Gbps), SATA2 (3Gbps) ■ C2000 SoC I354 Quad GbE Controller (MACs)
Network Controllers	<ul style="list-style-type: none"> ■ 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	■ Renesas uPD720201
Video	■ BMC integrated Aspeed AST2400

Chassis (Optimized for A1SRi-2358F)	
1U Chassis:	<ul style="list-style-type: none"> ■ SC504-203B ■ SC505-203B
Mid/Mini Tower Chassis:	■ SC721TQ-250B
Mini-ITX Chassis:	<ul style="list-style-type: none"> ■ SC101i ■ SC101S
Important Chassis Notes	To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.
SuperServer(s) with A1SRi-2358F	
Model(s)	■ SYS-5018A-LTN4
Expansion Slots	
PCI-Express	■ 1x PCI-E 2.0 x8 slot
System BIOS	
BIOS Type	■ 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
Management	
Software	<ul style="list-style-type: none"> ■ SuperDoctor® 5 ■ Watch Dog ■ NMI
Power Configurations	<ul style="list-style-type: none"> ■ ACPI/ACPM Power Management ■ Main Switch Override Mechanism ■ Power-on mode for AC power recovery
PC Health Monitoring	
Voltage	<ul style="list-style-type: none"> ■ M+12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Supports system management utility, System level control, VBAT
FAN	<ul style="list-style-type: none"> ■ Total of 3x 4-pin fan headers ■ 3x fans with tachometer status monitoring ■ Status monitor for speed control ■ Status monitor for on/off control ■ Low noise fan speed control ■ Pulse Width Modulated (PWM) fan connectors

Input / Output	
Serial ATA	<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 Header

Temperature	<ul style="list-style-type: none"> ■ Monitoring for CPU and chassis environment ■ CPU thermal trip support
LED	<ul style="list-style-type: none"> ■ System Overheat LED
Other Features	<ul style="list-style-type: none"> ■ Chassis intrusion detection ■ Chassis intrusion header ■ 4-pin 12V DC power input or 24-pin ATX Power input
Operating Temperature	
<ul style="list-style-type: none"> • 0°C to 60°C 	