

SuperChassis 510T-203B



Key Features

Extra Compact Size

200W High-efficiency Power Supply **Gold Level Certified**

Low noise level

2x 2.5" hot-swap SAS/SATA HDD Bays

1x Low-profile PCI expansion slot

3x 8500 RPM Cooling Fan

Power Switch, Reset Button & 5 LED Indicators

Product SKUs

CSE-510T-203B ■ SuperChassis 510T-203B

Form Factor

- 11.3" Mini 1U chassis - supports for maximum motherboard sizes: Micro-ATX 9.6" x 9.6"

Processor Support

- Single Intel® Xeon® processors, up to 65W

Dimensions

Height	■ 1.7" (43 mm)
Width	■ 17.2" (437 mm)
Depth	■ 11.3" (287 mm)
Gross Weight	■ 12 lbs (5.44 kg)
Packaging (W x H x L)	■ 25.4" (645 mm) x 6.1" (155 mm) x 19.8" (503 mm)
Available Color	■ Black

Expansion Slots

- 1x Low-profile expansion slot(s) (Riser Card Required; use the full-height I/O bracket on the low-profile add-on card to install)

Drive Bays

- 2x 2.5" hot-swap SAS/SATA drive bay
- SAS or enterprise SATA HDD only recommended

Backplane

- 2-Port 1U (SC510T) direct-attached backplane, support up to 2x 2.5-inch SAS/SATA HDD/SSD

Front Panel

Button	<ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button
LED	<ul style="list-style-type: none"> ■ Power status LED ■ HDD activity LED ■ 2 Network Activity LEDs ■ Fan Fail/System Over Heat LED

Systems Cooling

- | | |
|-------------|---|
| Fans | ■ 3x 8500 RPM Cooling fan(s)(s) (2 for motherboard & 1 for HDD) |
|-------------|---|

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

1U 200W Multi-output power supply Gold level w/20pin

Power Efficiency	■ 91%
Total Output Power and Input	■ 200W with Input 100 - 240Vac
AC Input Frequency	■ 50-60Hz
Dimensions (L x W x H)	■ 192 x 76 x 40.3 mm
Output Type	■ 20pin ATX
-12V	■ Max: 0.5A / Min: 0A
+12V	■ Max: 16A / Min: 0.1A (100Vac - 240Vac)
+5V	■ Max: 8A / Min: 0.1A
+3.3V	■ Max: 8A / Min: 0.1A
+5Vsb	■ Max: 2A / Min: 0A

Certification



Gold Certified

Regulatory (Power Supply)

Power Supply Safety / EMC	<ul style="list-style-type: none"> ■ BSMI ■ CCC ■ CE/EMC ■ FCC class B ■ TUV/CB ■ UL/CUL
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Standard Parts List			
	Part Number	Qty	Description
HD Backplane	BPN-SAS-510T	1	2-port 1U (SC510T) direct-attached backplane, support up to 2x 2.5-inch SAS/SATA HDD/SSD
Cable(s)	CBL-0061L	2	31.5CM SATA FLAT S-S PBF
Cable(s)	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
Cable(s)	CBL-0260L	1	US POWER CORD 18 AWG, PBF
Part(s)	MCP-270-00025-0N	1	
Part(s)	MCP-230-00052-0N	1	
Fan(s)	FAN-0106L4	3	High current (0.14A) version of Fan-0100L4 (40x28mm PWM)
Front Panel	FPB-FP813-D	1	Front control board dual color for SC815,SC813M (C)
Drive Tray(s)	MCP-220-00047-0B	2	Black gen 3rd hot-swap 2.5inch HDD tray
Drive Tray(s)	MCP-220-00062-0N	1	SC510T HDD cage for 2.5 hot swappable 2.5 HDD
Part(s)	MCP-260-00064-0B	1	1U I/O shield for X9/X10 STD Server I/O use in SC510, SC505, SC504 with EMI Gasket,RoHS/REACH,PBF
Part(s)	MCP-260-00065-0B	1	1U I/O shield for X8 STD Server I/O use in SC510, SC505, SC504 with EMI Gasket,RoHS/REACH,PBF
Part(s)	MCP-290-51001-0N	1	SC510 card retainer
Part(s)	MCP-320-00036-0B	1	
Part(s)	MCP-340-00001-01	1	Dummy fan 40x28mm
Power Supply & Accessory	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS

Motherboard (for CSE-510T-203B)

<u>A1SAM-2550F</u>	<u>A1SAM-2750F</u>	<u>A1SRM-2558F</u>	<u>A1SRM-2758F</u>
<u>A1SRM-LN5F-2358</u>	<u>A1SRM-LN7F-2358</u>	<u>A1SRM-LN7F-2758</u>	

● = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU