

## SuperChassis 510T-203B

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### Key Features

#### Extra Compact Size

1. 200W High-efficiency Power Supply **Gold Level Certified**
2. Low noise level
3. 2x 2.5" hot-swap SAS/SATA HDD Bays
4. 1x Low-profile PCI expansion slot
5. 3x 8500 RPM Cooling Fan
6. Power Switch, Reset Button & 5 LED Indicators

## Specifications

**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** ■ Power On/Off button  
■ System Reset button

**LED** ■ 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** ■ BSMI  
■ CCC  
■ CE/EMC  
■ FCC class B  
■ TUV/CB  
■ UL/CUL

## Components

### Standard Parts List

	Part Number	Qty	Description
<b>HD Backplane</b>	BPN-SAS-510T	1	2-port 1U (SC510T) direct-attached backplane, support up to 2x 2.5-inch SAS/SATA HDD/SSD
<b>Cable(s)</b>	CBL-0061L	2	31.5CM SATA FLAT S-S PBF
<b>Cable(s)</b>	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
<b>Cable(s)</b>	CBL-0260L	1	US POWER CORD 18 AWG, PBF
<b>Part(s)</b>	MCP-270-00025-0N	1	
<b>Part(s)</b>	MCP-230-00052-0N	1	
<b>Fan(s)</b>	FAN-0106L4	3	High current (0.14A) version of Fan-0100L4 (40x28mm PWM)
<b>Front Panel</b>	FPB-FP813-D	1	Front control board dual color for SC815,SC813M (C)
<b>Drive Tray(s)</b>	MCP-220-00047-0B	2	Black gen 3rd hot-swap 2.5inch HDD tray
<b>Drive Tray(s)</b>	MCP-220-00062-0N	1	SC510T HDD cage for 2.5 hot swappable 2.5 HDD
<b>Part(s)</b>	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
<b>Part(s)</b>	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
<b>Part(s)</b>	MCP-290-51001-0N	1	SC510 card retainer
<b>Part(s)</b>	MCP-320-00036-0B	1	
<b>Part(s)</b>	MCP-340-00001-01	1	Dummy fan 40x28mm
<b>Power Supply &amp; Accessory</b>	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS

### Motherboard (for CSE-510T-203B)

A1SAM-2550E

A1SAM-2750E

A1SRM-2558E

A1SRM-2758E

A1SRM-LN5F-2358

A1SRM-LN7F-2358

A1SRM-LN7F-2758

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU