

SuperChassis 510T-203B



Extra Compact Size

Key Features

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
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▶ [Chassis Manual](#)
▶ [Optimization](#)

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

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 processors Intel® Xeon® 3000 series (65W) and Xeon® 3400 series (45W)

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

- 1 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

- 2 x 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

- **Buttons**
 - Power On/Off button
 - System Reset Button
- **LEDs**
 - 2 Network Activity LEDs
 - Fan Fail/System Over Heat LED
 - HDD activity LED
 - Power Status LED

Systems Cooling

- **Fans** 3 x 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: 8AA / Min: 0.1A
- **+3.3V** Max: 8A / Min: 0.1A
- **+5Vsb** Max: 2A / Min: 0A
- **+12Vsb** Max: N/A

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
HD Backplane	BPB-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	SATA,INT,FLAT,31.5CM,26AWG
Cable(S)	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
Cable(S)	CBL-0260L	1	US power cord 18AWG 6ft, PBF (default for low watt)
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-sw ap 2.5inch HDD tray
Drive Tray(s)	MCP-220-00062-0N	1	SC510T HDD cage for 2.5 hot sw appable 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 w ith 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 w ith 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)

A1SAM-2550F

A1SRM-2558F

A1SRM-2758F

A1SAM-2750F

A1SRM-LN7F-2758

A1SRM-LN7F-2358

A1SRM-LN5F-2358

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