

SuperChassis 513BTQC-350B



▶ **Chassis Manual**

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

Key Features

1. 15" Mini 1U chassis support for maximum motherboard size - 12" x 13" E-ATX
 2. 1x Full-height & Half-length expansion slot(s)
 3. 2 x 2.5" hot-swap drive bay, optional 4 x 2.5" fixed Internal Drive with bracket
 4. Power Switch, UID Button & LED Indicators
 5. 4 x 40mm x28mm PWM fan(s)
 6. 1U 350W Multi-output Power Supply Platinum Level
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Specifications

Product SKUs

- **CSE-513BTQC-350B** ■ SuperChassis 513BTQC-350B

Form Factor

- 15" Mini 1U chassis support for maximum motherboard size - 12" x 13" E-ATX

Processor Support

- Single and Dual Intel® / AMD processors

Dimensions

- **Height** ■ 1.7" (43 mm)

- **Width** ■ 17.2" (437 mm)

- **Depth** ■ 15.0" (381 mm)

- **Gross Weight** ■ 14.5 lbs (6.58 kg)

- **Packaging (W x H x L)** ■ 19.5" (495 mm) x 6.9" (175 mm) x 22.4" (569 mm)

- **Available Color** ■ Black

Expansion Slots

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

Drive Bays

- 2 x 2.5" hot-sw ap drive bay
- Optional up to 4 x 2.5" fixed with bracket
- SAS or enterprise SATA HDD only recommended

Backplane

- 2-port 2U SAS3 12Gbps backplane, support up to 2x 2.5-inch SAS3/SATA3 HDD/SSD

Front Panel

- **Buttons** ■ Power On/Off button
- Unit Identification (UID) button

- **LEDs** ■ 2 Network Activity LEDs
- HDD activity LED
- Power Status LED
- System Information LED

- **Ports** ■ 4x LAN Port(s)
- 4x USB Port(s)
- 1x IPMI
- 1x VGA

Systems Cooling

- **Fans** ■ 4 x 40x28mm PWM fan(s)
- Optional 2 x 40x28mm PWM fan(s)

Operating Environment (System)

- **Operating Temperature Range** ■ 5°C - 35°C (41°F - 95°F)

- **Non-Operating Temperature Range** ■ -40°C - 70°C (-40°F - 158°F)

- **Operating Relative Humidity Range** ■ 8% - 90% (non-condensing)

- **Non-Operating Relative Humidity Range** ■ 5% - 95% (non-condensing)

Power Supply

1U 350W Multi-output power supply Platinum level

- **Power Efficiency** ■ 93%

- **Total Output Power and Input** ■ 350W with Input 100 - 240Vac

- **AC Input Frequency** ■ 50-60Hz

- **Dimensions (L x W x H)** ■ 180 x 100 x 40 mm

- **Output Type** ■ 24pin ATX

- **-12V** ■ Max: .2A / Min: 0A

- **+12V** ■ Max: 29A / Min: .5A (100Vac - 240Vac)

- **+5V** ■ Max: 15A / Min: .2A

- **+3.3V** ■ Max: 12A / Min: .2A

- **+5Vsb** ■ Max: 3A / Min: 0A

- **Certification** ■  Platinum Certified

Regulatory (Power Supply)

- **Power Supply Safety / EMC** ■ BSMI
- CCC
- CE/EMC
- FCC class B
- TUV/CB

Components

Standard Parts List

	Part Number	Qty	Description
HD Backplane	BNP-SAS3-826TQ-B2B	1	2-port 2U SAS3 12Gbps backplane, support up to 2x 2.5-inch SAS3/SATA3 HDD/SSD
Cable(S)	CBL-0160L	1	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0335L	1	CBL,FRONT CNTL,20 TO 20 PIN,RA,RND TUBE,73CM,28AWG
Fan(s)	FAN-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH
Front Panel	MCP-280-80901-0N	1	SC809 FRONT CONTROL PANEL ASSY
Cooling Fan & Accessory	MCP-320-00060-0N	1	Fan tray for six 40x28 fans in SC813M (for X11DPL-i 12
Drive Tray(s)	MCP-220-00180-0B	2	2.5" New ID gen 3 hot-sw ap HDD tray with lock feature (with plastic bracket)
Part(s)	MCP-340-00001-01	2	Dummy fan 40x28mm
Part(s)	MCP-260-00078-0B	1	1U I/O shield for X11 Server MB with 5X5mm vent hole and EMI Gasket, Black
Power Supply & Accessory	PWS-350-1H	1	1U Single AC-DC 350W Platinum Level, multiple output power supply (180mm)
Mounting Rail(s)	MCP-290-00102-0N	1 set	Outer rail, quick-release type, 25.6" to 33.05"
Mounting Rail(s)	MCP-290-00108-0B	1 set	Inner rail, front, short (quick) for 1U 17.2
Rear Window	MCP-240-51301-0N	1	Rear window for SC513B single PWS chassis

Optional Parts List

	Part Number	Qty	Description
2.5" HDD Bracket	MCP-220-00137-0N	-	Dual 2.5 HDD bracket
Cable	CBL-0234L	-	4-PIN POWER SUPPLY Y-CABLE FOR HDD, 15CM, 20AWG
Cable	CBL-0481L	-	SATA,INT,ROUND,ST-ST,81CM,30AWG
Cable	CBL-CDAT-0662	-	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,61.5CM,28AWG
Cable	CBL-0206L	-	SATA,INT,ROUND,ST-ST,48CM,26AWG