

SuperChassis 825MBTQC-R802LPB



▶ [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. 2U chassis supports for maximum motherboard sizes - EE-ATX 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
 2. 3 x 3.5" hot-swap SAS/SATA drive bay with SGPIO, optional 2 x 2.5" hot-swap SAS/SATA drive bay w/ full SES-II support on SAS motherboards
 3. 3-port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA3 HDD/SSD
 4. 1U 800W Redundant Power Supply 76mm width, W/PMbus, Titanium
 5. 7 low-profile expansion slot(s)
 6. 4 x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control
 7. Optional 1 x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control
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Specifications

Product SKUs

- **CSE-825MBTQC-R802LPB** ■ SuperChassis 825MBTQC-R802LPB

Form Factor

- 2U chassis supports for maximum motherboard sizes - EE-ATX 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- **Height** ■ 3.5" (89 mm)
- **Width** ■ 17.2" (437 mm)
- **Depth** ■ 17.7" (450 mm)
- **Gross Weight** ■ 42 lbs (19.05 kg)
- **Packaging (W x H x L)** ■ 23.4" (594 mm) x 9.9" (251 mm) x 32.5" (826 mm)
- **Available Color** ■ Black

Expansion Slots

- 7 low -profile expansion slot(s)

Drive Bays

- 3 x 3.5" hot-sw ap SAS/SATA drive bay w ith SGPIO
- Optional 2 x 2.5" hot-sw ap SAS/SATA drive bay w / full SES-II support on SAS motherboards

Backplane

- 3-port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA3 HDD/SSD

Peripheral Drives

- Optional 1 x slim DVD-ROM drive bay
- Optional 2 x USB 2.0 ports
- Optional 1 x COM port tray

Front Panel

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

Systems Cooling

- **Fans** ■ 4 x 4cm high-performance counter-rotating PWM fan(s) w ith optimal fan(s) speed control
■ Optional 1 x 4cm high-performance counter-rotating PWM fan(s) w ith optimal fan(s) speed control

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 800W Redundant Power Supply 76mm width, W/PMBus, Titanium

- **Power Efficiency** ■ 96%
- **Total Output Power and Input** ■ 800W with Input 100 - 240Vac
■ 800W with Input 200 - 240Vdc
- **AC Input Frequency** ■ 50-60Hz
- **Dimensions (L x W x H)** ■ 336 x 76 x 40 mm
- **Output Type** ■ Backplanes (gold finger)
- **+12V** ■ Max: 66A (100Vac - 240Vac)
■ Max: 66A (200 - 240)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **Power Distributor** ■ PDB-PT825-8824
■ O/P: 12V/75
■ +5V Max: 30
■ +3.3V Max: 24
■ -12V Max: 0.6

Certification



■ Titanium Certified

Regulatory (Power Supply)

- **Power Supply Safety / EMC** ■ BSMI
■ CCC
■ CE/EMC
■ FCC class A
■ TUV/CB
■ UL/CUL

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-29019-0N	1	SC823M Intel DP X10 Universal Mylar Air Shroud, 12x13MB
HD Backplane	BPN-SAS3-825MTQ-P	1	3-port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA.3 HDD/SSD
Cable(S)	CBL-0071L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,75CM,28AWG
Cable(S)	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
CD-ROM & Accessory	MCP-290-00041-0B	1	Black DVD dummy cover for SC825M
Fan(s)	FAN-0156L4	4	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Front Panel	FPB-FP836-D	1	Front control board Dual color LED(FP836-D)forSC823M,825,825M,828,829,835,836
Cooling Fan & Accessory	MCP-320-82502-0B	1	Fan Tray for Five 4056 Fans, for 825M
Cooling Fan & Accessory	MCP-340-00035-0B	1	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	MCP-220-00075-0B	3	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Drive Tray(s)	MCP-220-82501-0N	1	HDD cage housing 3 trays for SC825M
Power Distributor	PDB-PT825-8824	1	SC825 24PIN REDUNDANT POWER DISTRIBUTOR
Power Supply & Accessory	PWS-802A-1R	2	1U 800W 100-240Vac/47-63Hz, and DC240 input
Mounting Rail(s)	MCP-290-00053-0N	1 set	Rail set, quick/quick, default for 2,3U 17.2";W
Rear Window	MCP-240-82608-0N	1	216B/826B LP rear window ,RoHS/REACH,PBF

Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00058-0N	1	Short rail set, quick release, 19.6"~26.9" Extendable Length
Cable	CBL-0044L	3	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat
Cable	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable	CBL-SAST-0948	1	MINI SAS HD-4 SATA, 12G,INT,60CM,60CM SB,30AWG
2.5" HDD Bracket	MCP-220-82616-0N	1	12G 2.5x2 Drive Kit w / Status LED(216B/826B/417B/846X/847B)
Front USB	MCP-290-82502-0B	1	USB Tray For 825M
SATA DVD Kit	DVM-PNSC-DVD-SBT3	1	BLACK PANASONIC SLIM DVD ROM SATA DRIVE,HF,RoHS/REACH
HDD Kit	MCP-220-81506-0N	1	12G 2.5-in Hot-sw ap Slim DVD Size Drive Kit with Status LED
HDD Kit	MCP-220-81504-0N	1	12G 2.5-in Hot-sw ap Slim Floppy Size Drive Kit w /Status LED