

SuperChassis 825MBTQC-R802LPB



Key Features

- 2U chassis supports for maximum motherboard sizes - EE-ATX 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
- 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-port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA3 HDD/SSD
- 1U 800W Redundant Power Supply 76mm width, W/PMbus, Titanium
- 7 low-profile expansion slot(s)
- 4 x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control
- Optional 1 x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control

Specifications

Product SKUs

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

7x Low-profile expansion slot(s)

Drive Bays

3x 3.5" hot-swap SAS/SATA drive bay with SGPIO

Optional 2x 2.5" hot-swap 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 1x slim DVD-ROM drive bay

Optional 1x COM port tray

Optional 2x USB 2.0 ports

Front Panel

Button

Power On/Off button

System Reset button

Systems Cooling

Fans

Optional 1x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control

4x 4cm high-performance counter-rotating PWM fan(s) with 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 200 - 240Vdc

800W with Input 100 - 240Vac

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 / Min: 0A (100Vac - 240Vac)

Max: 66A / Min: 0A (200Vdc - 240Vdc)

+5Vsb

Max: 4A / Min: 0A

LED

Power status LED
HDD activity LED
System Information LED
Power Fail LED
2 Network Activity LEDs

Power Distributor

PDB-PT825-8824
O/P: 12V/75
+5V Max: 30A
+3.3V Max: 24A
-12V Max: 0.6A

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

Air Shroud

Part Number	MCP-310-29019-0N
Qty	1
Description	SC823M Intel DP X10 Universal Mylar Air Shroud, 12x13MB

HD Backplane

Part Number	BPN-SAS3-825MTQ-P
Qty	1
Description	3-port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA3 HDD/SSD

Cable(s)

Part Number	CBL-0071L
Qty	1
Description	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF

Cable(s)

Part Number	CBL-0160L
Qty	2

Description	US POWER CORD 16AWG, PB FREE
Part(s)	
Part Number	MCP-120-00062-0N
Qty	7
Description	Blank LP L-bracket (5x5 square hole)
Part(s)	
Part Number	MCP-230-00011-00
Qty	1
Description	Top cover for SC825M
Part(s)	
Part Number	MCP-290-82516-0N
Qty	1
Description	DVD and USB holder for SC825M
CD-ROM & Accessory	
Part Number	MCP-290-00041-0B
Qty	1
Description	Black DVD dummy cover for SC825M
Fan(s)	
Part Number	FAN-0156L4
Qty	4
Description	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Front Panel	
Part Number	FPB-FP836-D
Qty	1
Description	Front control board Dual color LED(FP836- D)forSC823M,825,825M,828,829,835,836
Cooling Fan & Accessory	
Part Number	MCP-320-82502-0B
Qty	1
Description	Fan Tray for Five 4056 Fans, for 825M
Cooling Fan & Accessory	
Part Number	MCP-340-00035-0B
Qty	1
Description	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	

Part Number MCP-220-00075-0B
Qty 3
Description Black gen 5.5 hot-swap 3.5" HDD tray

Drive Tray(s)
Part Number MCP-220-82501-0N
Qty 1
Description HDD cage housing 3 trays for SC825M

Power Distributor
Part Number PDB-PT825-8824
Qty 1
Description SC825 24PIN REDUNDANT POWER DISTRIBUTOR

Power Supply & Accessory
Part Number PWS-802A-1R
Qty 2
Description 1U 800W 100-240Vac/47-63Hz, and DC240 input

Mounting Rail(s)
Part Number MCP-290-00053-0N
Qty 1 set
Description Rail set, quick/quick, default for 2,3U 17.2"W

Mounting Rail(s)
Part Number MCP-290-00060-0N
Qty 1
Description Threaded rail adapter default for round hole rack

Rear Window
Part Number MCP-240-82608-0N
Qty 1
Description 216B/826B LP rear window,RoHS/REACH,PBF

Optional Parts

2.5" HDD Bracket

Part Number [MCP-220-82616-0N](#) • [eStore](#)

Qty -

Description	12G 2.5x2 Drive Kit w/ Status LED(216B/826B/417B/846X/847B)		
Cable			
Part Number	CBL-SAST-0948 •eStore	CBL-0157L •eStore	CBL-0044L •eStore
Qty	-	-	-
Description	MINI SAS HD-4 SATA,12G,INT,60CM,60CM SB,30AWG	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat
Chassis parts			
Part Number	MCP-290-82517-0B		
Qty	1		
Description			
Front USB			
Part Number	MCP-290-82502-0B		
Qty	-		
Description	USB Tray For 825M		
HDD Kit			
Part Number	MCP-220-81506-0N •eStore	MCP-220-81504-0N •eStore	
Qty	-	-	
Description	12G 2.5-in Hot-swap Slim DVD Size Drive Kit with Status LED	12G 2.5-in Hot-swap Slim Floppy Size Drive Kit w/Status LED	
Rail			
Part Number	MCP-290-00058-0N •eStore		
Qty	-		
Description	Short rail set, quick release, 19.6"~26.9" Extendable Length		
SATA DVD Kit			
Part Number	DVM-PNSC-DVD-SBT3		
Qty	-		
Description	BLACK PANASONIC SLIM DVD ROM SATA DRIVE,HF,RoHS/REACH		

Motherboard (for CSE-825MBTQC-R802LPB)

Motherboard Name

X13SEM-F X13SEM-TF X12SPM-TF X12SPM-LN6TF X12SPM-LN4F X12SPL-LN4F X12SPL-F X12DPL-NT6 X12DPL-i6 X11SPM-TPF X11SPM-TF X11SPM-F X11SPL-F X11SPH-nCTPF X11SPH-nCTF X11DPL-I

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU
