

SuperChassis 825TQC-R802LPB



Key Features

- 2U chassis supports for maximum motherboard sizes - 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
- 8 x 3.5" hot-swap SAS3/SATA drive bay, 2 x 3.5" fixed drive bay
- 8-port 2U SAS3 12Gbps TQ backplane, support up to 8x 3.5-inch SAS3/SATA3 HDD/SSD
- 1U 800W Redundant Power Supply 76mm width, W/PMbus, Titanium
- 7 low-profile expansion slot(s)
- 3 x 80mm Hot-swap PWM Fans

Specifications

Product SKUs

SuperChassis **825TQC-
R802LPB**

Form Factor

2U chassis supports for maximum
motherboard sizes - 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

25.5" (647 mm)

Gross Weight

52 lbs (23.59 kg)

Net Weight

37 lbs (16.78 kg)

Packaging (W x H x L)

26.7" (678 mm) x 11.4" (290 mm) x 34.5"
(876 mm)

Available Color

Black

Expansion Slots

7x Low-profile expansion slot(s)

Drive Bays

2x 3.5" fixed drive bay

8x 3.5" hot-swap SAS3/SATA drive bay

Backplane

8-Port 2U SAS3 12Gbps TQ backplane,
support up to 8x 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

Optional 2x USB 3.0 ports

Front Panel**Button**

Power On/Off button

System Reset button

Systems Cooling**Fans**

3x 80mm Hot-swap PWM Fans

System Monitoring

Chassis intrusion switch

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

Power Distributor

PDB-PT825-8824

O/P: 12V/75

+5V Max: 30A

+3.3V Max: 24A

-12V Max: 0.6A

LED

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

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-310-29001-0N
Qty	1
Description	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13

HD Backplane

Part Number	BPN-SAS3-825TQ
Qty	1
Description	8-port 2U SAS3 12Gbps TQ backplane, support up to 8x 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-PWCD-0160-IS
Qty	2
Description	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH

Part(s)

Part Number	MCP-120-00115-0N
Qty	7

Description Blank LP L-bracket with 4x4 vent holes

Part(s)

Part Number MCP-290-00088-0N

Qty 1

Description SC119 Intrusion assembly

Part(s)

Part Number MCP-290-82501-0V

Qty 2

Description Silver chassis handle for SC825,828

Part(s)

Part Number MCP-230-82501-0N

Qty 1

Description Top cover for
SC213,216,825,826,835,836,936,846

CD-ROM & Accessory

Part Number MCP-290-00007-01

Qty 1

Description Black DVD dummy cover for SC825,
836

Fan(s)

Part Number FAN-0181L4

Qty 3

Description 80x80x38 mm, 9.4K RPM, Hot-
swappable Middle Cooling Fan for
X11 Purley Platform Newly Enabled
2U+ Chassis

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

Drive Tray(s)

Part Number MCP-220-00023-01

Qty 1

Description Black USB dummy tray support 1x
2.5" slim HDD for SC825, 836

Drive Tray(s)

Part Number MCP-220-00075-0B
Qty 8
Description Black gen 5.5 hot-swap 3.5" HDD tray

Drive Tray(s)
Part Number MCP-220-82502-0B
Qty 2
Description Black fixed 3.5" HDD tray or FDD dummy tray

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
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-240-82506-0N
Qty 1
Description LP Rear Window for SC825,825M,826,213,216

Optional Parts


Adaptor Bracket
Part Number MCP-120-82503-0N 
Qty -

Description	Cable arm adapter for SC825LP,213LP (MCP-290-00073-0N required),HF,RoHS/REACH,PBF				
Cable					
Part Number	CBL-0157L	CBL-0296L •eStore	CBL-0180L-01 •eStore	CBL-0082L •eStore	CBL-SAST-0699 •eStore
Qty	-	-	-	-	-
Description	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG	internal mini SAS HD to 4 SATA 12G, 75/75/90/90cm w/75cm SB, S. 30AWG,RoHS/REACH
Cable Management Arm					
Part Number	MCP-290-00073-0N •eStore				
Qty	-				
Description	Supermicro Cable Management Arm for 2U, 3U and 4U chassis				
DVD-ROM / DVD-RW					
Part Number	DVM-TEAC-DVD-SBT5				
Qty	-				
Description	BLACK TEAC SLIM DVD SATA DRIVE,HF,RoHS				
Front Bezel					
Part Number	MCP-210-82503-0B •eStore				
Qty	-				
Description	Black SC825 front bezel				
Front USB					
Part Number	MCP-220-00114-0N	MCP-220-00007-01			
Qty	-	-			
Description	Black 2x USB3.0/COM port tray in slim DVD bay,RoHS/REACH	Black USB/COM port tray for SC825, 836			
HDD Tray Converter					
Part Number	MCP-220-00043-0N •eStore				
Qty	-				
Description	Black hot-swap gen 4 3.5 to 2.5 HDD tray				
LCD/OLED Solutions					
Part Number	MCP-220-00119-0B				
Qty	-				
Description	2nd Gen Black 3.5" OLED tray, support 1x internal 2.5" HDD				


Peripheral Drive(s)

Part Number	FPD-TEAC-SB
Qty	-
Description	BLACK SLIM TEAC FLOPPY DRIVE FOR SC813

Rail

Part Number	MCP-290-00058-0N 
Qty	-
Description	Short rail set, quick release, 19.6"~26.9" Extendable Length

SATA DVD Kit

Part Number	MCP-220-81502-0N 
Qty	-
Description	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842

Tray(s)

Part Number	MCP-220-82503-0B	MCP-290-00036-0B	MCP-220-00023-01
Qty	-	-	-
Description	Black slim FDD kit for SC825/829,828,835	Black DVD dummy tray support 1x2.5 HDD for SC113,815,825,836	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836

Motherboard (for CSE-825TQC-R802LPB)

Motherboard Name

H11DSI-NT H11DSi X13SEM-F X13SEM-TF X12SPM-TF X12SPM-LN6TF X12SPM-LN4F X12SPL-LN4F X12SPL-F X11SSM-F X11SSM X11SSL-F X11SSL X11SCM-LN8F X11SCM-F X11SCL-LN4F X11DPL-I X11DPI-NT X11DPI-N

 = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU