

SuperChassis 825TQC-R802LPB



▶ [Chassis Manual](#)

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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 - 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
2. 8 x 3.5" hot-swap SAS3/SATA drive bay, 2 x 3.5" fixed drive bay
3. 8-port 2U SAS3 12Gbps TQ backplane, support up to 8x 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. 3 x 80mm Hot-swap PWM Fans

Specifications	
Product SKUs	
CSE-825TQC-R802LPB	■ 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)
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	
■ 7 low-profile expansion slot(s)	
Drive Bays	
■ 8 x 3.5" hot-swap SAS3/SATA drive bay ■ 2 x 3.5" fixed drive bay	
Backplane	
■ 8-port 2U SAS3 12Gbps TQ backplane, support up to 8x 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 ■ Optional 2 x USB 3.0 ports	
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	■ 3 x 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 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-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
HD Backplane	BPN-SAS3-825TQ	1	8-port 2U SAS3 12Gbps TQ backplane, support up to 8x 3.5-inch SAS3/SATA3 HDD/SSD
Cable(S)	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
Cable(S)	CBL-0160L	2	US POWER CORD 16AWG, PB FREE
CD-ROM & Accessory	MCP-290-00007-01	1	Black DVD dummy cover for SC825, 836
Fan(s)	FAN-0181L4	3	80x80x38 mm, 9.4K RPM, Hot-swappable Middle Cooling Fan for X11 Purley Platform Newly Enabled 2U+ Chassis
Front Panel	FPB-FP836-D	1	Front control board Dual color LED(FP836-D)forSC823M,825,825M,828,829,835,836
Drive Tray(s)	MCP-220-00023-01	1	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836
Drive Tray(s)	MCP-220-00075-0B	8	Black gen 5.5 hot-swap 3.5" HDD tray
Drive Tray(s)	MCP-220-82502-0B	2	Black fixed 3.5" HDD tray or FDD dummy tray
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	Rail set, quick/quick, default for 2,3U 17.2";W
Rear Window	MCP-240-82506-0N	1	LP Rear Window for SC825,825M,826,213,216

Optional Parts List

	Part Number	Qty	Description
Adaptor Bracket	MCP-120-82503-0N	-	Cable arm adapter for SC825LP,213LP (MCP-290-00073-0N required),HF,RoHS/REACH,PBF
Cable Management Arm	MCP-290-00073-0N	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis
Rail	MCP-290-00058-0N	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
Front USB	MCP-220-00007-01	-	Black USB/COM port tray for SC825, 836
Front USB	MCP-220-00114-0N	-	Black 2x USB3.0/COM port tray in slim DVD bay,RoHS/REACH
Tray(s)	MCP-290-00036-0B	-	Black DVD dummy tray support 1x2.5 HDD for SC113,815,825,836
Tray(s)	MCP-220-00023-01	-	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836
Tray(s)	MCP-220-82503-0B	-	Black slim FDD kit for SC825/829,828,835
Cable	CBL-0157L	-	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable	CBL-SAST-0699	-	internal mini SAS HD to 4 SATA 12G, 75/75/90/90cm w/75cm SB, S. 30AWG,RoHS/REACH
Cable	CBL-0082L	-	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable	CBL-0296L	-	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable	CBL-0180L-01	-	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
LCD/OLED Solutions	MCP-220-00119-0B	-	2nd Gen Black 3.5" OLED tray, support 1x internal 2.5" HDD
SATA DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842
HDD Tray Converter	MCP-220-00043-0N	-	Black hot-swap gen 4 3.5 to 2.5 HDD tray
DVD-ROM / DVD-RW	DVM-TEAC-DVD-SBT5	-	BLACK TEAC SLIM DVD SATA DRIVE,HF,RoHS
SATA DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842
Peripheral Drive(s)	FPD-TEAC-SB	-	BLACK SLIM TEAC FLOPPY DRIVE FOR SC813
Front Bezel	MCP-210-82503-0B	-	Black SC825 front bezel

Motherboard (for CSE- 825TQC-R802LPB)

<u>H11DSI-NT</u>	<u>H11DSi</u>	<u>X11SSL-F</u>	<u>X11SSL</u>
<u>X11SSM-F</u>	<u>X11SSM</u>	<u>X11SCM-F</u>	<u>X11SCM-LN8F</u>
<u>X11SCL-LN4F</u>			

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