

SuperChassis 825TQC-R1K03LPB



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 800/1000W Redundant Titanium Single Output Power Supply W/PMbus
5. 7 low-profile expansion slot(s)
6. 3 x 80mm heavy duty fan(s) with PWM fan(s) speed control

Specifications

Product SKUs

CSE-825TQC-R1K03LPB	▪ SuperChassis 825TQC-R1K03LPB
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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

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

Systems Cooling

Fans	▪ 3x 80mm heavy duty fan(s) with PWM fan(s) speed control
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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 800/1000W Redundant Titanium Single Output Power Supply W/PMbus

Power Efficiency	▪ 96%
Total Output Power and Input	▪ 800W with Input 100 - 127Vac ▪ 1000W with Input 200 - 240Vac ▪ 1000W 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: 66.7A / Min: 0A (100Vac - 127Vac) ▪ Max: 83A / Min: 0A (200Vac - 240Vac) ▪ Max: 83A / 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

Certification



▪ Titanium Certified

Regulatory (Power Supply)

Power Supply

Safety / EMC

- BSMI
 - CCC
 - CE/EMC
 - FCC class A
 - UL/CB
 - UL/CUL
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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
Part(s)	MCP-290-00088-0N	1	SC119 Intrusion assembly
Part(s)	MCP-230-82501-0N	1	Top cover for SC213,216,825,826,835,836,936,846
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-1K03A-1R	2	1U 1000W Redundant Power Supply Titanium W/PMbus 76x40x336mm,RoHS/REACH
Mounting Rail(s)	MCP-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
Mounting Rail(s)	MCP-290-00060-0N	1	Threaded rail adapter default for round hole rack
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 • eStore	-	Cable arm adapter for SC825LP,213LP (MCP-290-00073-0N required),HF,RoHS/REACH,PBF
Cable	CBL-0157L • eStore	-	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
	CBL-0296L • eStore	-	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
	CBL-0082L • eStore	-	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
	CBL-0180L-01 • eStore	-	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
	CBL-SAST-0699 • eStore	-	internal mini SAS HD to 4 SATA 12G, 75/75/90/90cm w/75cm SB, S. 30AWG,RoHS/REACH
Cable Management Arm	MCP-290-00073-0N • eStore	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis
DVD-ROM / DVD-RW	DVM-TEAC-DVD-SBT5	-	BLACK TEAC SLIM DVD SATA DRIVE,HF,RoHS
Front Bezel	MCP-210-82503-0B • eStore	-	Black SC825 front bezel
Front USB	MCP-220-00114-0N	-	Black 2x USB3.0/COM port tray in slim DVD bay,RoHS/REACH
	MCP-220-00007-01	-	Black USB/COM port tray for SC825, 836
HDD Tray Converter	MCP-220-00043-0N	-	Black hot-swap gen 4 3.5 to 2.5 HDD tray
LCD/OLED Solutions	MCP-220-00119-0B	-	2nd Gen Black 3.5" OLED tray, support 1x internal 2.5" HDD
Rail	MCP-290-00058-0N • eStore	-	Short rail set, quick release, 19.6"~26.9" Extendable Length

SATA DVD Kit	MCP-220-81502-0N • <i>eStore</i>	-	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842
Tray(s)	MCP-220-82503-0B	-	Black slim FDD kit for SC825/829,828,835
	MCP-290-00036-0B	-	Black DVD dummy tray support 1x2.5 HDD for SC113,815,825,836
	MCP-220-00023-01	-	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836

Servers (for CSE-825TQC-R1K03LPB)

SYS-6029P-TRSYS-6029P-TRI

Motherboard (for CSE-825TQC-R1K03LPB)

X11DPI-NX11DPI-NT

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