



SuperChassis 825TQ-R720LPB

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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 SAS/SATA drive bay w/ full SES-II support on SAS motherboards, 2 x 3.5" fixed drive bay
- 8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD
- 1U 720W Redundant Power Supply W/ PMbus 80Plus Gold
- 7 low-profile expansion slot(s)
- 3 x 8cm (7000 RPM) hot-swap PWM cooling fan(s)

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

- CSE-825TQ-R720LPB**
- SuperChassis 825TQ-R720LPB

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 SAS/SATA drive bay w/ full SES-II support on SAS motherboards
- 2 x 3.5" fixed drive bay

Backplane

- 8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD

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

Motherboard (for CSE- 825TQ-R720LPB)

- | | |
|-----------------------------|------------------------------|
| X9DR3-LN4F+ | X9DRI-LN4F+ |
| X9SRi | X9SRI-3F |
| X9SRE | X9SRE-3F |
| X9SCM-IIF | X9SRL-F |
| H8DG6 | H8DG6-F |
| H8DGi | H8DGi-F |
| X9SRi-F | X9SRE-F |
| X8DTN+ | X8DTN+-F |
| X8DTN+-F-LR | X8DTN+-LR |
| X8DAH+ | X8DAH+-F |
| X8DTH-i | X8DTH-iF |
| X8DT6 | X8DT6-F |
| X8DTE | X8DTE-F |
| X8DTi | X8DTi-F |
| X8DTi-LN4F | X8DT3-LN4F |
| X8DTL-3 | X8DTL-3F |
| X8DTL-i | X8DTL-iF |
| X8DTL-6F | X8DTL-6L |
| X8DTL-L | X8DA6 |
| X8DAE | X8DA3 |
| X8DAi | X8DAL-3 |
| X8DAL-i | X9SCL |
| X9SCL-F | X9SCL+-F |
| X9SCM | X9SCM-F |
| X9SCL-LN4 | X8SIL |
| X8SIL-F | X8SIE |
| X8SIE-F | X10SRL-F |
| X10SRH-CF | X10SRH-CLN4F |
| X11SSH-F | X11SSH-LN4F |

Systems Cooling

- | | |
|-------------|--|
| Fans | • 3 x 8cm (7000 RPM) hot-swap PWM cooling fan(s) |
|-------------|--|

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) |

Buttons	<ul style="list-style-type: none"> • Power On/Off button • System Reset Button
LEDs	<ul style="list-style-type: none"> • 2 Network Activity LEDs • HDD activity LED • Power Status LED • Power Fail LED • System Information LED

Non-Operating Relative Humidity Range	<ul style="list-style-type: none"> • 5% - 95% (non-condensing)
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Power Supply	
1U 720W Redundant Power Supply W/ PMBus 80Plus Gold	
Power Efficiency	<ul style="list-style-type: none"> • 92%
Total Output Power and Input	<ul style="list-style-type: none"> • 720W with Input 100 - 240Vac
AC Input Frequency	<ul style="list-style-type: none"> • 50-60Hz
Dimensions (L x W x H)	<ul style="list-style-type: none"> • 346 x 76 x 40 mm
Output Type	<ul style="list-style-type: none"> • Backplanes (gold finger)
+12V	<ul style="list-style-type: none"> • Max: 59A / Min: 0.5A (100Vac - 240Vac)
+5Vsb	<ul style="list-style-type: none"> • Max: 3A / Min: 0A
Power Distributor	<ul style="list-style-type: none"> • PDB-PT825-8824 • O/P: 12V/75A • +5V Max: 30A • +3.3V Max: 24A • -12V Max: 0.6A

Certification	<ul style="list-style-type: none"> •  Gold Certified
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Regulatory (Power Supply)	
Power Supply Safety / EMC	<ul style="list-style-type: none"> • 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-SAS-825TQ	1	8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD
Cable(S)	CBL-0071L	1	ROUND 16 pin TO 16 PIN RIBBON FP CABLE 75cm. 28AWG
Cable(S)	CBL-0157L	2	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable(S)	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0180L-01	1	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
CD-ROM & Accessory	MCP-290-00007-01	1	Black DVD dummy cover for SC825, 836
Fan(s)	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w/ Housing
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 for SC825/829
Power Supply & Accessory	PWS-721P-1R	2	1U REDUNDANT 720W PMBus 80 PLUS GOLD EFFICIENCY
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	1	Cable arm adapter for SC825LP,213LP (MCP-290-00073-0N required),HF,RoHS/REACH,PBF
Cable	CBL-0044L	1	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat
Cable	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable	CBL-0296L	1	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Tray(s)	MCP-220-00114-0N	1	Black 2x USB3.0/COM port tray in slim DVD bay,RoHS/REACH
Tray(s)	MCP-220-00007-01	1	Black USB/COM port tray for SC825, 836
LCD/OLED Solutions	MCP-220-00119-0B	1	2nd Gen Black 3.5" OLED tray, support 1x internal 2.5" HDD
SATA DVD Kit	MCP-220-81502-0N	1	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842
Rail	MCP-290-00058-0N	1	Short rail set, quick release, 19.6"~26.9" Extendable Length
Cable Management Arm	MCP-290-00073-0N	1	Supermicro Cable Management Arm for 2U, 3U and 4U chassis