

RMS285 2U Rack Mount Computer Chassis Specifications

CSE-825B2TQC-R920W



Key Features

- Optimized for X13 WIO (W series) motherboards
- 8x 3.5" Hot-swap SAS3 / SATA Drive Bays & 2x Fixed 3.5" Drive Bays & optional 2x rear 2.5" HDD kit available
- SAS3 (12 Gbps) HDD support 4x Hybrid Device
- 1U Redundant 920W Single Output Power Supply Platinum Level
- 4x FH and 3x LP Slots for PCI expansion
- Power button, Power switch & 6 LED Indicators
- 3x 80mm heavy duty fan(s) with PWM fan(s) speed control

Product SKUs CSE-825B2TQC-R920W
Form Factor 2U chassis supports proprietary WIO 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 3x Low-profile expansion slot(s) (Riser Card Required) 4x Full-height, Full-length expansion slot(s) (Riser Card Required)
Drive Bays Optional 2x 3.5" fixed drive bay 8x 3.5" hot-swap SAS3/SATA drive bay Or optional 2x 2.5" hot-swap drive bay for server chassis
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 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
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 920W redundant power supply Power Efficiency 94+% Total Output Power and Input 920W with Input 200 - 240Vac 920W with Input 100 - 127Vac 920W 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: 75A / Min: 0A (200Vac - 240Vac) Max: 75A / Min: 0A (100Vac - 127Vac) +5Vsb Max: 4A Power Distributor PDB-PT825-8824 O/P: 12V/75 +5V Max: 30A +3.3V Max: 24A -12V Max: 0.6A Certification  (http://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.asid=69&type=1). Platinum Certified
Regulatory (Power Supply) Power Supply Safety / EMC BSMI CCC CE/EMC UL/CB

Components

Standard Parts List

HD Backplane	
Part Number	BPN-SAS4-825A-N4
Qty	1
Description	8-Port 3.5" Hybrid Backplane supports 4xSAS4/SATA3/NVMe5
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
Cable(s)	
Part Number	CBL-PWEX-1078
Qty	3



Description	PWEX,FAN,1X4/P2.5 TO 1X4/P2.54,20CM,22AWG,5A/PIN,RoHS
Part(s)	
Part Number	MCP-240-82517-0N
Qty	1
Description	2U bridge BKT support WIO Top-loading Riser BKT
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-230-82603-0N
Qty	1
Description	Top cover for SC826B, 216B WIO/UIO w/ FH-AOC mylar
Part(s)	
Part Number	MCP-240-00199-0N
Qty	1
Description	2U WIO top load riser card bracket for SC825B2
CD-ROM & Accessory	
Part Number	MCP-290-00007-01
Qty	1
Description	Black DVD dummy cover for SC825, 836
Fan(s)	
Part Number	FAN-0206L4
Qty	3
Description	80x80x38 mm, 13.5K RPM, Middle Cooling Fan for 2U and above Servers
Front Panel	
Part Number	FPB-FP836-D
Qty	1
Description	Front control board Dual color LED(FP836-D)forSC823M,825,825
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
Drive Tray(s)	
Part Number	MCP-290-82607-0N
Qty	1
Description	826B/216B rear dummy cover for 2 X 2.5" HDD cage,RoHS
Power Distributor	
Part Number	PDB-PT825-8824
Qty	1
Description	SC825 24PIN REDUNDANT POWER DISTRIBUTOR
Power Supply & Accessory	
Part Number	PWS-920P-1R2
Qty	2

Description	1U, platinum efficiency,920W,AC input:100-127/200- 240Vac,HF,
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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-240-82516-0N
Qty	1
Description	SC825B2 WIO rear window for top load RSC bracket