

SuperChassis 745BTQ-R920B



Key Features

- 1. 8x 3.5"/2.5" SAS/SATA Backplane for Hot-Swappable Drives
- 2. Front HDD Door Lock & Side Panel Intrusion Switch
- 3. Front I/O Ports: 2x USB 3.0
- 4. 3x Middle 8cm (5000 rpm) PWM Fans & 2x 8cm (5000 rpm) PWM Fans
- 5. 4U / Full Tower Chassis Supports max. Motherboard, Sizes E-ATX 13.68" x 13" ATX/Micro ATX
- 6. 920W **Redundant Platinum Level** Certified High-Efficiency Class-B Power Supply
- 7. 3x 5.25" External HDD Drive Bays & 8x 3.5"/2.5" Hot-Swappable HDD Drives

Specifications

Product SKUs

- CSE-745BTQ-R920B
 - SuperChassis 745BTQ-R920B

Form Factor

- 4U chassis - supports for maximum motherboard sizes: E-ATX 13.68" x 13"

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- Height
 - 17.8" (452 mm)
- Width
 - 7" (178 mm)
- Depth
 - 25.5" (647 mm)
- Gross Weight
 - 64 lbs (29.03 kg)
- Net Weight
 - 62 lbs (28.12 kg)
- Packaging (W x H x L)
 - 24.6" (625 mm) x 14" (356 mm) x 31.3" (795 mm)
- Available Color
 - Black

Expansion Slots

- 7x Full-height, Full-length expansion slot(s)

Drive Bays

- 8x 3.5"/2.5" hot-swap SAS drive bay with SES3

Backplane

- 743 SAS BACKPLANE W/AMI MG9072

Peripheral Drives

- 2x standard 5.25" drive bay
- 1x 3.5" internal fixed drive bay

Front Panel

- Button
 - Power On/Off button
 - System Reset button
- LED
 - Power status LED
 - HDD activity LED
 - 2 Network Activity LEDs
 - Fan Fail/System Over Heat LED
- Port
 - 2x USB 2.0 Port(s)

Systems Cooling

- Fans
 - 2x 8cm hot-swap exhaust fan(s) & air shroud
 - 3x 8cm high-performance PWM 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)
- Non Operating Relative Humidity Range
 - 5% - 95% (non-condensing)

Power Supply

1U 920W Redundant Platinum Super Quiet power supply W/PMbus

- Power Efficiency
 - 94%
- Total Output Power and Input
 - 920W 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: 75A / Min: 1A (100Vac - 240Vac)
- +5Vsb
 - Max: 4A / Min: 0A
- Power Distributor
 - PDB-PT747-4648
 - O/P: 12/212
 - +5V Max: 30A
 - +3.3V Max: 24A
 - 12V Max: 0.6A

- Certification
 -  Platinum Certified

Regulatory (Power Supply)

- Power Supply Safety / EMC
 - BSMI
 - CCC
 - CE/EMC
 - FCC class B
 - TUV/CB
 - UL/CUL

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-49001-0N	1	SC745 Intel DP X9, X8 PC air shroud 1368x13/12x13MB
HD Backplane	CSE-SAS-743TQ	1	743 SAS BACKPLANE W/AMI MG9072
Cable(s)	CBL-0044L	4	57.5CM SATA FLAT S-S PBF
Cable(s)	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
Cable(s)	CBL-0157L	1	8PIN TO 8PIN RIBBON CABLE FOR SGPIO, PB FREE
Cable(s)	CBL-0160L	1	US POWER CORD 16AWG, PB FREE
Cable(s)	CBL-0216L	3	4 TO 4 PIN FAN POWER CABLE, 210MM
Cable(s)	CBL-0471L	1	USB3.0 Internal Cable-80cm (19pin Female to 19pin Female)
Part(s)	MCP-120-00116-0N	7	Blank FH L-bracket with 4x4 vent holes
Part(s)	MCP-230-00018-01	1	Black plastic top cover for SC743,745
Fan(s)	FAN-0074L4	3	80X38MM 4-PIN PWM (MIDDLE) FAN W/HUS FOR SC743
Fan(s)	FAN-0082L4	2	80x80x38 mm 4-pin PWM Fan Assembly for SC743, SC745
Drive Tray(s)	MCP-220-00193-0N	8	SC743/SC745/SC822/SC823 Gen2 2.5"/3.5" 2-in-1 HDD tray
Power Distributor	PDB-PT747-4648	1	POWER DISTRIBUTOR FOR SC747 W/ GRAPHIC OUTPUT FEATURE
Part(s)	MCP-290-74502-0B	1	Plastic feet (4 pcs set) for 4U tower chassis, black color
Power Supply & Accessory	PWS-920P-SQ	2	920W 1U Redundant PWS W/ Quiet Mode

Optional Parts List

	Part Number	Qty	Description
Add-on Card Dummy	MCP-240-00096-0N	-	GPU/Add-on Card Dummy Assembly (2 slots) - single pack
Cable	CBL-0153L • eStore	-	6pin GPU Power Adapter Cable from PDB 2x big 4pin, 16cm
Cable Management Arm	MCP-290-00073-0N • eStore	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis (Extendable Length: 70mm to 830mm)
HDD Tray Converter	MCP-220-00080-0B • eStore	-	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray
LCD	MCP-220-00095-0B	-	5.25" USB LCD Kit
Mounting Rail	CSE-PT26L-(B)	-	4U Chassis Rail Kit (Includes Side Handles) (B = Black)
Peripheral Drive(s)	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Rear Exhaust Fan	MCP-320-00046-0N-KIT • eStore	-	Rear fan kit (8.2K RPM fan) for SC747B / 835X / 836BH
	MCP-320-00047-0N-KIT • eStore	-	Rear fan kit (5K RPM fan) for SC745B / 835X / 836BH