

SuperChassis 745BAC-R1K23B-SQ



Key Features

- 1. 8x 3.5"/2.5" SAS/SATA Backplane for Hot-Swappable Drives
- 2. Whisper-Quiet (<27dB)
- 3. Front HDD Door Lock & Side Panel Intrusion Switch
- 4. Front I/O Ports: 2x USB 3.0
- 5. 2x 8cm (2800 rpm) PWM Fans & 1x 9cm (2400 rpm) PWM Fans
- 6. 4U / Full Tower Chassis Supports max. Motherboard, Sizes: E-ATX 13.68" x 13"/ATX/Micro ATX
- 7. 1200W (1 + 1) **Redundant Titanium Level** Certified High-Efficiency Power Supply
- 8. 3x 5.25" External HDD Drive Bays & 8x 3.5/2.5" Hot-Swappable HDD Drives

Specifications

Product SKUs

- CSE-745BAC-R1K23B-SQ
- SuperChassis 745BAC-R1K23B-SQ

Form Factor

- 4U tower chassis - supports maximum motherboard sizes up to 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
 - 62 lbs (28.12 kg)
- Net Weight
 - 59 lbs (26.76 kg)
- Packaging (W x H x L)
 - 14" (356 mm) x 24.6" (625 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

- 8-Port 4U/Tower 3.5-inch SAS3/SAS2/SATA3 12Gbps backplane for SC743/SC745 chassis

Peripheral Drives

- 3x standard 5.25" drive bay

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
- Port
 - 2x USB 3.0 Port(s)

Systems Cooling

- Fans
 - 1x 2700 RPM fan(s)
 - 2x 2800 RPM fan(s)

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, Redundancy, Titanium, Input: 100-127Vac, 200-240Vac, and 240Vdc, output: +12V/+5Vsb, PMBUS 1.2, (L)336x(W)76x(H)40 mm, EMI Class B,

- Power Efficiency
 - 96%
- Total Output Power and Input
 - 1200W with Input 200 - 240Vac
 - 1000W with Input 100 - 127Vac
 - 1200W with Input 200 - 240Vdc
- AC Input Frequency
 - 50-60Hz
- Dimensions (L x W x H)
 - 336 x 76 x 40 mm
- Output Type
 - Backplanes (connector)
- +12V
 - Max: 100A / Min: 0A (200Vac - 240Vac)
 - Max: 83A / Min: 0A (100Vac - 127Vac)
- +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
 - N/A

Regulatory (Power Supply)

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

Components

Standard Parts List

	Part Number	Qty	Description
HD Backplane	BPN-SAS3-743A	1	8-port 4U/Tower 3.5-inch SAS3/SAS2/SATA3 12Gbps backplane for SC743/SC745 chassis
Cable(s)	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
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)
Cable(s)	CBL-SAST-0631	2	Cross-over Mini SAS HD to 4 SATA w/SB, S. 55cm. 30AWG
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-0103L4	1	92x25 4Pin PWM Fan assembly for SC743 Super Quiet rear fan
Fan(s)	FAN-0104L4	2	80x25,4 Pin PWM fan assem. for SC743 Super Quiet chassis fan
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-1K23A-SQ	2	1U, Redundancy, Titanium, Input: 100-127Vac, 200-240Vac

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-0153L • <i>eStore</i>	-	6 pin to 2x big 4 pin GPU power extension from PDB, 16cm, 20AWG
Cable Management Arm	MCP-290-00073-0N • <i>eStore</i>	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis
Fan Kit	MCP-320-00046-0N-KIT • <i>eStore</i>	-	Rear fan kit (8.2K RPM fan) for SC747B / 835X / 836BH
GPU/Add-on Card Dummy	MCP-240-00096-0N	-	SC747B GPU/Add-on Card Dummy Assembly (2 slots) - single pack
HDD Tray	MCP-220-00080-0B • <i>eStore</i>	-	Black hotswap gen 2 3.5 to 2.5 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), Extendable length 26"~35.9"
Peripheral Drive(s)	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Rear Exhaust Fan	MCP-320-00047-0N-KIT • <i>eStore</i>	-	Rear fan kit (5K RPM fan) for SC745B / 835X / 836BH

Motherboard (for CSE-745BAC-R1K23B-SQ)

X12DAI-N6

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