

SuperChassis 745BAC-R1K28B2



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Key Features

1. 8x 3.5" SAS3/SATA3 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 (9400 rpm) PWM Fans & 2x 8cm (9400 rpm) PWM Fans
 5. 4U / Full Tower Chassis Supports max. Motherboard, Sizes - E-ATX 13.68" x 13"/ATX/Micro ATX
 6. 1280W (1 + 1) **Redundant Platinum Level** Certified High-Efficiency Power Supply
 7. 3x 5.25" External HDD Drive Bays & 8x 3.5" Hot-Swappable HDD Drives
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Note: Image above may show a varied configuration of optional parts.
Please refer to parts list for standard parts included.

Specifications

Product SKUs

- CSE-745BAC-R1K28B2
- SuperChassis 745BAC-R1K28B2

Form Factor

- 4U tower chassis - supports maximum motherboard sizes up to E-ATX 13.68" x 13"

Processor Support

- Dual, single Intel® / AMD processors

Dimensions

Height	17.8" (452 mm)
Width	7" (178 mm)
Depth	25.5" (647 mm)
Net Weight	59 lbs (26.76 kg)
Gross Weight	62 lbs (28.12 kg)
Packaging (W x H x L)	16.65" (423 mm) x 7" (178 mm) x 25.5" (648 mm)
Available Color	Black

Expansion Slots

- 7 full-height & full-length expansion slot(s)

Drive Bays

- 8 x 3.5" hot-sw ap SAS/SATA drive bay w ith SGPIO

Backplane

- 8-port 4U/Tow er 3.5-inch SAS3/SAS2/SATA3 12Gbps backplane for SC743/SC745 chassis

Peripheral Drives

- 3 x standard 5.25" drive bay

Front Panel

Buttons	- Pow er On/Off button - System Reset Button
LEDs	2 Netw ork Activity LEDs - HDD activity LED - Pow er Status LED - Pow er Fail LED - System Information LED
Ports	2x USB 3.0 Port(s)

Systems Cooling

Fans	2 x 80mm PWM Rear Chassis Fans 9.4k RPM 3 x 80mm high-performance fan(s) 9.4k RPM
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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 1280W Redundant Platinum 95%+ Super Quiet Pow er Supply w ith PMbus

Power Efficiency	95%
Total Output Power and Input	1000W with Input 100 - 140Vac 1280W with Input 180 - 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: N/A
+12V	- Max: 83A / Min: 0.5A (100Vac - 140Vac) - Max: 106.7A / Min: 0.5A (180Vac - 240Vac)
+5Vsb	Max: 4A / Min: 0A
+12Vsb	Max: N/A
Power Distributor	- PDB-PT747-4648 - O/P: 12/212 +5V Max: 30 +3.3V Max: 24 -12V Max: 0.6

Certification	 Platinum Certified
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Regulatory (Power Supply)

Power Supply Safety / EMC	- BSMI - CCC - CE/EMC - FCC class B - TUV/CB - UL/CUL
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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	BPN-SAS3-743A	1	8-port 4U/Tow er 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	2	NEMA5-15P to C13 US pow er cord 16AWG 6ft, PBF (default for high w att)
Cable(S)	CBL-0216L	3	4 PIN TO 4 PIN MIDDLE FAN POWER EXTENSION, 20cm. 24AWG(PWM)
Cable(S)	CBL-0471L	1	USB 3.0,INT,19 PIN/F TO 19PIN/F,2 CH,80CM,30/28/26AWG
Cable(S)	CBL-SAST-0631	2	MINI SAS HD-4 SATA,6G,INT,RF,Cross Over,55CM,55CM SB,30AWG
Fan(s)	FAN-0180L4	2	80x80x38 mm, 9.4K RPM, Hot-sw appable Rear Exhaust Fan for X11 Purley Platform New ly Enabled 4U Chassis
Fan(s)	FAN-0182L4	3	80x80x38 mm, 9.4K RPM, Hot-sw appable Middle Cooling Fan for X11 Purley Platform New ly Enabled 4U Chassis
Drive Tray(s)	MCP-220-00092-0B	8	Black Hot-sw ap 3.5inch HDD Tray (w/o logo)
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 tow er chassis, black color
Power Supply & Accessory	PWS-1K28P-SQ	2	1U 1280W, redundant single output pow er supply

Optional Parts List

	Part Number	Qty	Description
Mounting Rail	CSE-PT26L-(B)	-	4U Chassis Rail Kit (Includes Side Handles) (B = Black), Extendable length 26"~35.9"
LCD	MCP-220-00095-0B	-	5.25" USB LCD Kit
Fan Kit	MCP-320-00046-0N-KIT	-	Rear fan kit (8.2K RPM fan) for SC747B / 835X / 836BH
Rear Exhaust Fan	MCP-320-00047-0N-KIT	-	Rear fan kit (5K RPM fan) for SC745B / 835X / 836BH
GPU/Add-on Card Dummy	MCP-240-00096-0N	-	SC747B GPU/Add-on Card Dummy Assembly (2 slots) - single pack
Cable	CBL-0153L	-	6 pin to 2x big 4 pin GPU pow er extension from PDB, 16cm, 20AWG
Cable Management Arm	MCP-290-00073-0N	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis
Peripheral Drive(s)	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
HDD Tray	MCP-220-00080-0B	-	Black hotsw ap gen 2 3.5 to 2.5 HDD tray

Motherboard (for CSE- 745BAC-R1K28B2)

<u>X11DPi-N</u>	<u>X11DPi-NT</u>	<u>H11DSi-NT</u>	<u>H11DSi</u>
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= Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 745BAC-R1K28B2)

<u>7049P-TR</u>	<u>7049P-TRT</u>
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