

# SuperChassis 836BE16-R1K28B

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### Key Features

- High Performance SAS2/6Gb/s Expander
- High Efficiency PS and Storage Capacity

1. 1280W Redundant Power Supplies **80PLUS, Platinum Level (95%)**
2. 16x 3.5" Hot-swap SAS Drive Bays w/ SES2 (dual-channel) and optional 2x 2.5" Hot-swap SAS Drive Bays on rear side of Chassis
3. 1x Slim DVD-ROM Drive (optional)
4. 6Gb/s SAS2 Expander
5. Mini-I-Pass (SFF 8087) connectivity
6. 3x 8cm Hot-swap 4-pin PWM Fans
7. 2x 8cm Rear-exhaust 4-pin PWM Fans
8. Optional 3x slim 2.5" Internal Fixed HDD
9. Palletized package for secure transportation

### Downloads

Chassis Manual

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

### Specifications

Product SKUs	
<b>CSE-836BE16-R1K28B</b>	• SuperChassis 836BE16-R1K28B (Black)
Form Factor	
3U chassis support for max. motherboard size - 13.68" x 13", E-ATX and ATX	
Processor Support	
Supports dual, single Intel® / AMD processors	
Dimensions	
<b>Height</b>	5.2" (132mm)
<b>Width</b>	17.2" (437mm)
<b>Depth</b>	25.5" (648mm)
<b>Gross Weight</b>	72 lbs (32.7kg)
<b>Available Color</b>	Black
Expansion Slots	
• 7x full-height full-length expansion slots	
Drive Bays	
<b>Hot-swap</b>	16x 3.5" Hot-swap SAS Drive Bays with SES2 (dual-channel) and optional 2x 2.5" Hot-swap SAS Drive Bays on rear side of Chassis SAS or enterprise SATA HDD only recommended
Backplane	
SAS2 Expander Backplane, features: • Scalability through cascading • 6Gb SAS2/SATA3 HDD support • Inband SES-2 Enclosure Management • Single input/output SFF 8087 connectors	
Peripheral Drives	
<b>DVD-ROM</b>	Slim DVD-ROM Drive (Optional)
<b>Floppy</b>	Slim 1.44MB Floppy Drive (Optional)
Front Panel	
<b>Buttons</b>	• Power On/Off button • System Reset button
<b>LEDs</b>	• Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat LED • Power fail LED
<b>Ports</b>	2x USB Ports & DB9 COM Port

System Cooling	
<b>Fans</b>	• 3x 80mm Hot-swap 4-pin PWM Fans • 2x 80mm Rear-exhaust 4-pin PWM Fans
System Monitoring	
Chassis intrusion switch	
Operating Environment (System)	
<b>Operating Temperature Range</b>	• 5°C - 35°C (41°F - 95°F)
<b>Non-Operating Temperature Range</b>	• -40°C - 70°C (-40°F - 158°F)
<b>Operating Relative Humidity Range</b>	• 8% - 90% (non-condensing)
<b>Non-Operating Relative Humidity Range</b>	• 5% - 95% (non-condensing)
Power Supply	
1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2	
<b>AC Input</b>	• 1000W Output @ 100-140V, 12-8A, 50-60Hz • 1280W Output @ 180-240V, 8-6A, 50-60Hz
<b>DC Output</b>	• 1000W: +12V/83A, +5Vsb/4A • 1280W: +12V/106.7A, +5Vsb/4A
<b>Certification</b>	<b>80 PLUS Platinum [ Test Report ]</b>
Regulatory (Power Supply)	
<b>Power Supply Safety / EMC</b>	• USA - UL listed • Canada - CUL listed • Germany - TUV Certified • EN 60950/IEC 60950-Compliant • CB Report • CCC Certification

### Components

[See Parts List](#)