Products □ Chassis □ 1U □ [ SC818A-1400B ]

## Key Features

1. 1400W High-efficiency Power Supply **Gold Level Certified**
2. 3x 3.5" Hot-Swap SAS / SATA Drive Bays
3. 1x Slim DVD-ROM Drive (optional)
4. 7x 4cm Counter-rotating PWM Fans
5. 1x Low Profile I/O Expansion Slot
6. Power Switch, Reset Switch and 5 LED Indicators
7. Full SES2 support is available with SAS motherboards and other compatible components.

### Links & Resources
□ Chassis Manual

### Available Colors
Black [  ]

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| Product SKUs | |
|---|---|
| CSE-818A-1400B | • SuperChassis 818A-1400B (Black) |

### Form Factor
1U chassis support for max. motherboard size
- 16.48" x 14.3" (Quad-processor motherboards)
- 16.48" x 16.8" (for X8 motherboards)

### Processor Support
Quad Intel 1567-pin LGA Socket Processors

### Dimensions
| Height | • 1.7" (43mm) |
|---|---|
| Width | • 17.2" (437mm) |
| Depth | • 27.75" (705mm) |
| Gross Weight | • 38 lbs (17.2 kg) |
| Available Colors | • Black |

### Expansion Slots
• 1x full-height, full-length expansion slot (Riser Card Required)

### Drive Bays
| Hot-swap | • 3x 3.5" hot-swap U320/160 SAS / SATA drive bays with SES2<br>• SAS or enterprise SATA HDD only recommended |
|---|---|

### Backplane
SAS HDD Backplane with SES2

### Peripheral Drives
| DVD-ROM | • Slim DVD-ROM drive (optional) |
|---|---|

### Front Panel
| Buttons | • Power On/Off button<br>• System Reset button |
|---|---|
| LEDs | • Power LED<br>• Hard drive activity LED<br>• 2x Network activity LEDs<br>• System Overheat LED |
| Ports | • 2x Front USB Ports<br>• 1x Serial COM Port |

### System Cooling
| Fans | • 7x PWM cooling fans |
|---|---|

### Operating Environment (System)
| Operating Temperature Range | • 5°C ~ 35°C (41°F ~ 95°F) |
|---|---|
| Non-Operating Temperature Range | • -40°C ~ 60°C (-40°F ~ 140°F) |
| Operating Relative Humidity Range | • 8% ~ 90% (non-condensing) |
| Non-Operating Relative Humidity Range | • 5% - 95% (non-condensing) |

### Power Supply
1400W high-efficiency power supply with PMBus

| AC Input | • 1200W: 100 - 140V, 50 - 60Hz, 10.5 - 14.7 Amp<br>• 1400W: 180 - 240V, 50 - 60Hz, 7.2 - 9.5 Amp |
|---|---|
| DC Output +5V standby | • 4 Amp |
| DC Output +12V | • 100 Amp @ 100-140V<br>• 117 Amp @ 180-240V |
| With Power Distributor | • +5V: 30 Amp<br>• +3.3V: 25 Amp<br>• -12V: 0.6 Amp |
| Certification | **Gold Certified**<br>[ Test Report ] |

### Regulatory (Power Supply)
| Power Supply Safety / EMC | • USA - UL listed, FCC<br>• Canada - CUL listed<br>• Europe/CE Mark<br>• EN 60950/IEC 60950-Compliant<br>• Germany - TUV Certified<br>• CCC Certification |
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### Standard Parts List

| | Part Number | Qty | Description |
|---|---|---|---|
| Chassis | CSE-818A-1400LFB | 1 | 1U Chassis 818A |
| Air Shroud | MCP-310-81804-0B | 1 | Mylar Air Shroud for SC818A (X8QB6) |
| Backplane | BPN-SAS-818TQ | 1 | HDD backplane supports 3x SAS/SATA HDD |
| Cable(s) | CBL-0108L-02 | 1 | IPASS TO IPASS 39cm |
| | CBL-0087 | 1 | Front ctrl cable round 16 to 16 pin ribbon 20" |
| | CBL-0154L | 1 | AC power cable for SC818, 36.5cm |
| | CBL-0260L | 1 | US power cord 18AWG 6ft, PBF (default for low watt) |
| Fan(s) | FAN-0101L4 | 7 | 40x56mm 4-pin PWM Cooling Fans |
| Front Panel | MCP-280-81301-0N | 1 | Non-U front control board (FP813) |
| Hard Drive Carrier(s) | CSE-PT39-B0 | 3 | SCA Type Assy Without Logo, Black |
| I/O Shield | MCP-260-81801-0N | 1 | 1U I/O shield for SC818 (X8QB6) |
| Mounting Rails | MCP-290-00016-0N | 1 | 1U open rack bracket set for CSE-PT51L, MCP-290-00054-0N |
| | MCP-290-00042-0V | 1 | Rail set for SC808, 809, 818 |
| Peripheral Drives/Covers | CSE-PT93L-B | 1 | Black DVD dummy cover |
| | CSE-PT94L-B | 1 | Black FDD or USB tray dummy cover |
| Power Supply | PWS-1K41F-1R | 1 | 1400W 1U Gold Level Power Supply with PMBus and WX106MM |
| | PDB-PT818-8824 | 1 | Power Distributor Board |
| | MCP-250-00001-00 | 1 | EMI filter for AC power cable |
| Rear Window | MCP-240-81807-0N | 1 | Riser card bracket for SC818 |
| | MCP-240-81806-0N | 1 | Rear window for SC818 |

### Optional Parts List

| | Part Number | Qty | Description |
|---|---|---|---|
| Air Shroud | CSE-PT0128 | - | Air shroud for SC818 (H8QM 16DIMM) |
| | MCP-310-81801-0B | - | Mylar air shroud for SC818 (H8QM 32DIMM) |
| | MCP-310-00017-01 | - | Mylar air shroud for SC818 (X7QC) |
| Cable(s) | CBL-0078 | - | Round Floppy Cable, 45cm |
| Mounting Rails | MCP-290-00056-0N | - | 19" to 26.4" outer rail, /quick, for 1U 17.2" W chassis |
| | MCP-290-00052-0N-BULK | - | 25.6" to 33.05" outer rail, /quick, for 1U 17.2" W chassis (10 sets/pack) |
| Peripheral Drives | FPD-TEAC-S(B) | - | TEAC 3.5" 1.44MB Slim Floppy Drive (B = black) |
| | CSE-PT91L | - | Slim FDD kit |
| | CSE-PT93L(-B) | - | DVD or CD dummy cover (B = black) |
| | CSE-PT94L(-B) | - | FDD or USB tray dummy cover (B = black) |

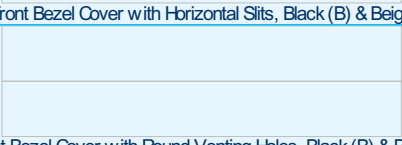| | | | |
|---|---|---|---|
| **Peripheral Drives** | DVM-TEAC-824B | - | Black slim IDE DVD (8x DVD, 24x CDR), TEAC |
| | DVM-TEAC-DVD-SBT2 | - | Black slim SATA DVD (8x DVD, 24x CDR), TEAC |
| | DVM-PNSC-DVD-SBT2 | - | Black slim SATA DVD (8x DVD, 24x CDR), Panasonic |
| | MCP-220-81502-0N | - | Slim SATA DVD kit (include backplane, cable) |
| **Power Supply** | CSE-PT0126 | - | Power Distributor Cover For SC818 Chassis |
| **Front Bezel**<br>( **Compatibility Table** ) | CSE-PTFB-813(B) | - | Front Bezel Cover with Horizontal Slits, Black (B) & Beige |
| | CSE-PTFB-813-02(B) | - | Front Bezel Cover with Round Venting Holes, Black (B) & Beige |
| **LCD/OLED Solutions** | - | - | Please reference the LCD/OLED Display Solutions for details |
| **Adaptor HDD carrier** | MCP-220-00043-0N | - | Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray |

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