

SuperChassis 515-R407



► **Chassis Manual**
► **Optimization**

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

Key Features

1. Support STD and WIO MB
 2. Up to 2 x 2.5" fixed with bracket
 3. 1U 400W Redundant Power Supply Platinum with PMBUS, W54.5xL220xH40mm
 4. Up to , 2 full height expansion slot(s)
 5. 4 x 40x56mm PWM fan(s)
 6. Optional 2 x fans for AOC cooling
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Specifications

Product SKUs

- CSE-515-R407
 - SuperChassis 515-R407

Form Factor

- Support STD and WIO MB

Processor Support

- Single Intel® and AMD processors

Dimensions

- Height
 - 1.7" (43 mm)
- Width
 - 17.2" (437 mm)
- Depth
 - 16.9" (429 mm)
- Gross Weight
 - 18 lbs (8.16 kg)
- Packaging (W x H x L)
 - 27" (686 mm) x 8" (203 mm) x 24" (610 mm)
- Available Color
 - No Paint

Expansion Slots

- Up to
- 2 full height expansion slot(s)

Drive Bays

- Up to 2 x 2.5" fixed with bracket

Front Panel

- Buttons
 - Power On/Off button
 - System Reset Button
- LEDs
 - 2 Network Activity LEDs
 - Fan Fail/System Over Heat LED
 - HDD activity LED
 - Power Status LED

Systems Cooling

- Fans
 - 4 x 40x56mm PWM fan(s)
 - Optional 2 x fans for AOC cooling

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 400W Redundant Power Supply Platinum with PMBUS, W54.5xL220xH40mm

- Power Efficiency
 - 94%
- Total Output Power and Input
 - 400W with Input 100 - 240Vac
 - 400W with Input 200 - 240Vdc
- AC Input Frequency
 - 50-60Hz
- Dimensions (L x W x H)
 - 220 x 54.5 x 40.25 mm
- Output Type
 - Backplanes (gold finger)
- +12V
 - Max: 33A (100Vac - 240Vac)
- +5Vsb
 - Max: 3A / Min: 0A
- Power Distributor
 - PDB-PT514-2824
 - O/P: 12V/54A
 - +5V Max: 25A
 - +3.3V Max: 25A
 - 12V Max: 0.6A

- Certification
 -  Platinum Certified

Regulatory (Power Supply)

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

Components

Standard Parts List

	Part Number	Qty	Description
Cable(S)	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0306L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,65CM,28AWG
Fan(s)	FAN-0157L4	4	40x40x56 mm 13K-11K RPM Counter-rotating Fan w/ a 160-mm Wire Coming out from the Fan Inlet Side,RoHS/REACH
Front Panel	MCP-280-51201-0N	1	Front control board (FP512) for SC512 (surface-mounted LED)
Cooling Fan & Accessory	MCP-320-00027-0B	24	Plastic pin for 40x28, 40x56 fan
Cooling Fan & Accessory	MCP-320-81801-0B	3	SC818G 2x 4056 fan tray,HF,RoHS,PBF
Cooling Fan & Accessory	MCP-340-00035-0B	2	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	MCP-220-51401-0N	1	Dual 2.5 HDD bracket (bracket base not follow std 2.5" HDD screw holes)
Power Distributor	PDB-PT514-2824	1	1U redundant power distributor board for SC514, SC113 etc., (rename from PDB-PT514-1824),RoHS/REACH
Part(s)	MCP-260-00078-0N	1	1U I/O shield for X10 and X9 Server MB with 5X5mm vent hole and EMI Gasket,RoHS/REACH,PBF
Power Supply & Accessory	PWS-407P-1R	2	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
Mounting Rail(s)	MCP-290-00102-0N	1set	Outer rail, quick-release type, 25.6" to 33.05"
Mounting Rail(s)	MCP-290-00108-0N	1set	Inner rail, front, short, quick-release type
Rear Window	MCP-240-51503-0N	1	rear window for SC515 redundant PWS chassis
Rear Window	MCP-240-51504-0N	1	Riser card bracket for STD MB in SC515

Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00056-0N	-	Quick-release outer rail for square hole short-depth rack (19"~26.4")
Chassis parts	MCP-240-51502-0N	-	Riser card bracket for WIO MB in SC515
Cable	CBL-0296L	-	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable	CBL-0082L	-	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable	CBL-0156L	-	Front ctrl cable Round 16 pin to 16 pin, 40cm, 28AWG
Cable	CBL-0260L	-	US power cord 18AWG 6ft, PBF (default for low watt)
Rail	MCP-290-00064-0N	-	Thumb screw adapter of inner rail for 1U 17.2

Motherboard (for CSE- 515-R407)

X10SDV-7TP8F

X10SRM-TF

X11SPM-TF

X11SRM-VF

X11SCM-LN8F

● X10SDV-2C-TP8F

X10SDV-7TP4F

X10SRM-F

X11SPM-TPE

X11SCH-F

X11SCL-F

X10SDV-2C-TP4F

X10SDV-4C-7TP4F

X11SPL-TF

X11SPM-F

X11SCH-LN4F

X11SCL-LN4F

X10SDV-4C+-TP4F

X10SDV-2C-7TP4F

X11SPL-F

X11SRM-F

X11SCM-F

X10SDV-TP8F

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 515-R407)

