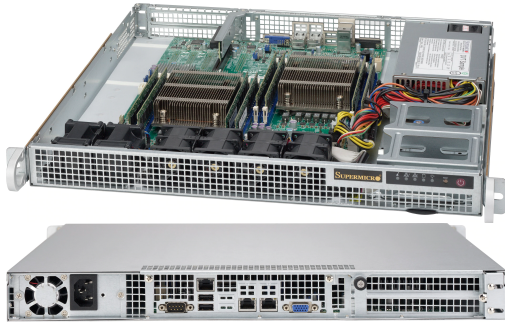


SuperChassis 514-505



► **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, size up to 12" x 13"
 2. Optional Up to 4 x 2.5" fixed with bracket, Up to 1 x 3.5" fixed drive bay
 3. 1U 500W Multi-output power supply w/ PMbus, 80Plus Platinum
 4. Up to , 2 full height expansion slot(s)
 5. 4 x 40x56mm PWM fan(s)
 6. Optional 2 x fans for AOC cooling
-

Specifications

Product SKUs

- **CSE-514-505** ■ SuperChassis 514-505

Form Factor

- Support STD and WIO MB, size up to 12" x 13"

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- | | |
|------------------------------|---|
| Height | ■ 1.7" (43 mm) |
| Width | ■ 17.2" (437 mm) |
| Depth | ■ 16.9" (429 mm) |
| Gross Weight | ■ 16 lbs (7.26 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

- Optional up to 4 x 2.5" fixed with bracket
- Up to 1 x 3.5" fixed drive bay

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 500W Multi-output power supply w/ PMbus, 80Plus Platinum

- | | |
|-------------------------------------|--|
| Power Efficiency | ■ 93% |
| Total Output Power and Input | ■ 500W with Input 100 - 240Vac |
| AC Input Frequency | ■ 50-60Hz |
| Dimensions (L x W x H) | ■ 180 x 100 x 40 mm |
| Output Type | ■ 24pin ATX |
| -12V | ■ Max: 0.2A / Min: 0A |
| +12V | ■ Max: 41A / Min: 0.5A (100Vac - 240Vac) |
| +5V | ■ Max: 15A / Min: 0.2A |
| +3.3V | ■ Max: 12A / Min: 0.2A |
| +5Vsb | ■ Max: 3A / Min: 0A |

- | | |
|----------------------|---|
| 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-0156L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,40CM,28AWG
Cable(S)	CBL-0160L	1	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Fan(s)	FAN-0156L4	4	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Front Panel	MCP-280-51201-0N	1	Front control board (FP512) for SC512 (surface-mounted LED)
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)
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-505P-1H	1	1U 500W Multi-output, Platinum level w / PMbus 24pin, W100xL180xH40mm,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-240-51402-0N	1	rear window for SC514 single PWS chassis

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")
Fan Kit	CBL-0296L	-	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Chassis parts	MCP-120-00078-0N	-	Optional shorter 1U riser card bracekt for X9DRL-7F/EF
Chassis parts	MCP-240-51403-0N	-	Riser card bracket for WIO MB in SC514-441,505,HF,RoHS/REACH
Tray(s)	MCP-220-51401-0N	-	Dual 2.5" fixed HDD bracket for SC514,515(MCP-220-51402-0N required)
Tray(s)	MCP-220-51402-0N	-	3.5in fixed HDD tray for SC514,515
Tray(s)	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket
Rail	MCP-290-00016-0N	-	1U open rack bracket set for CSE-PT51L,MCP-290-00054-0N
IO shield	MCP-260-00041-0N	-	1U I/O shield for X9 socket R server MB with Gasket

Motherboard (for CSE- 514-505)

<u>X10DRL-i</u>	<u>X10DRL-CT</u>	● <u>X10DRD-iNTP</u>	● <u>X10DRD-iTP</u>
<u>X10DRD-LTP</u>	<u>X10DRL-iT</u>	<u>X10DRL-C</u>	<u>X10DRD-iNT</u>
● <u>X10DRD-iT</u>	<u>X10DRD-i</u>	<u>X10DRD-LT</u>	<u>X10DRD-L</u>
<u>X10SDV-TP8F</u>	<u>X10SDV-7TP8F</u>	<u>X10SDV-7TP4F</u>	● <u>X10SDV-2C-TP8F</u>
<u>X10SDV-2C-TP4F</u>	<u>X10SDV-4C+-TP4F</u>	<u>X10SDV-4C-7TP4F</u>	<u>X10SDV-2C-7TP4F</u>
<u>X10SRM-TF</u>	<u>X10SRM-F</u>	<u>X11SSW-4TF</u>	<u>X11SSW-TF</u>

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

Servers (for CSE- 514-505)

6018R-MD