

SuperChassis 504-203B



[./Global](#)



Key Features

- Mini 1U Chassis
- 200W High-efficiency Power Supply Gold Level Certified
- Rear I/O Ports
- 1x 3.5" Internal Drive Bay with 1x Full-height, Half-length PCI
- OR 2x 3.5" Internal Drive Bay
- OR 2x 2.5" Internal Drive Bay with 1x Full-height, Half-length PCI
- OR 4x 2.5" Internal Drive Bay
- Power Switch, Reset Button and 5x LED Indicators

Specifications

Product SKUs**SuperChassis 504-203B****Form Factor**9.8" Mini 1U chassis support for maximum motherboard size: Mini-ITX
6.75" x 6.75"**Processor Support**

Intel® processors, up to 35W

Dimensions**Height**

1.7" (43 mm)

Width

17.2" (437 mm)

Depth

9.8" (249 mm)

Gross Weight

10 lbs (4.54 kg)

Packaging (W x H x L)

25.8" (655 mm) x 6.1" (155 mm) x 18.3" (465 mm)

Available Color

Black

Expansion Slots

Up to 1x Full-height, Half-length expansion slot(s) (Riser Card Required, See 'Drive Bays' for possible configurations)

Drive Bays1x 3.5" Internal drive bay with 1 Full-height, Half-length PCI
Or 4x 2.5" Internal drive bay
Or 2x 2.5" Internal drive bay with 1 Full-height, Half-length PCI
Or 2x 3.5" Internal drive bay
Only SAS or enterprise SATA HDD recommended**Front Panel****Button**

Power On/Off button

System Reset button

LED

Power status LED

HDD activity LED

2 Network Activity LEDs

Fan Fail/System Over Heat LED

Ports

1x VGA, IPMI, 4xLANs, 1x COM, 4xUSB, 1xKeyboard/Mouse

Systems Cooling**Fans**

1x High-efficiency power supply with thermal control fan(s)

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**1U 200W Multi-output power supply Gold level w/20pin****Power Efficiency**

91%

Total Output Power and Input

200W with Input 100 - 240Vac

AC Input Frequency

50-60Hz

Dimensions (L x W x H)

192 x 76 x 40.3 mm

Output Type

20pin ATX

-12V

Max: 0.5A / Min: 0A

+12V

Max: 16A / Min: 0.1A (100Vac - 240Vac)

+5V

Max: 8A / Min: 0.1A

+3.3V

Max: 8A / Min: 0.1A

+5Vsb

Max: 2A / Min: 0A

Certification

(<http://www.plugloadsolutions.com/80PlusPowerSuppliesD?id=69&type=2>). **Gold Certified**

Regulatory (Power Supply)**Power Supply Safety / EMC**

BSMI

CCC

CE/EMC

FCC class B

TUV/CB

UL/CUL



Components

Standard Parts List

Cable(s)

Part Number	CBL-0087
Qty	1
Description	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM

Cable(s)

Part Number	CBL-0260L
Qty	1
Description	US POWER CORD 18 AWG, PBF

Part(s)

Part Number MCP-230-50401-0N
Qty 1
Description 1U SC504 top cover

Part(s)

Part Number MCP-270-50401-0N
Qty 1
Description 1U SC504 chassis base

Part(s)

Part Number MCP-290-50401-0B
Qty 2
Description 504, 505 handle (1pcs) kit (with screws),RoHS/REACH,PBF

Front Panel

Part Number FPB-FP813-D
Qty 1
Description Front control board dual color for SC815,SC813M (C)

Part(s)

Part Number MCP-260-00064-0B
Qty 1
Description 1U I/O shield for X9/X10 STD Server I/O use in SC510, SC505, SC504 with EMI Gasket,RoHS/REACH,PBF

Part(s)

Part Number MCP-290-51001-0N
Qty 1
Description SC510 card retainer

Power Supply & Accessory

Part Number PWS-203-1H
Qty 1
Description 1U 200W Multi-output 80Plus Gold PWS

Optional Parts**2.5" HDD Bracket**

Part Number	MCP-220-00044-0N • eStore (https://store.supermicro.com/mcp-220-00044-0n.html)	MCP-220-00051-0N • eStore (https://store.supermicro.com/mcp-220-00051-0n.html)
Qty	-	-
Description	2.5" HDD bracket for 2 x 2.5" HDD	2.5" HDD bracket for 1 x 2.5" HDD

Cable

Part Number CBL-0080L • [eStore \(https://store.supermicro.com/supermicro-15cm-4-pin-peripheral-connector-to-15-pin-sata-power-extension-cable-cbl-0080l.html\)](https://store.supermicro.com/supermicro-15cm-4-pin-peripheral-connector-to-15-pin-sata-power-extension-cable-cbl-0080l.html)
Qty -
Description big 4 pin to SATA POWER ADAPTER CABLE 6

Cooling

Part Number FAN-0100L4 • [eStore \(https://store.supermicro.com/40mm-fan-0100l4.html\)](https://store.supermicro.com/40mm-fan-0100l4.html)

Qty -

Description 40X28MM 4-PIN PWM FAN FOR SC510 & SC511

Fan Kit

Part Number MCP-320-81302-0B • [eStore \(https://store.supermicro.com/mcp-320-81302-0b.html\)](https://store.supermicro.com/mcp-320-81302-0b.html)

Qty -

Description Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)

Heatsink / Retention

Part Number SNK-P0049A4 • [eStore \(https://store.supermicro.com/1u-active-proprietary-cpu-cooler-snk-p0049a4.html\)](https://store.supermicro.com/1u-active-proprietary-cpu-cooler-snk-p0049a4.html)

Qty -

Description 1U Active CPU Heat Sink for Intel Sokcet H, H2, and H3 Motherboards, RoHS/REACH, PBF

IO shield

Part Number	MCP-260-00082-0B MCP-260-00065-0B	MCP-260-00076-0B	MCP-260-00072-0B	MCP-260-00068-0B	MCP-260-00066-0B
Qty	-	-	-	-	-
Description	1U I/O Shield for H9SKV on SC504, 505 with EMI Gasket 1U I/O shield for X8 STD Server I/O use in SC510, SC505, SC504 with EMI Gasket, RoHS/REACH, PBF	1U I/O Shield for X10SLV-Q on SC504, 505, 510 with EMI Gasket, RoHS/REACH, PBF	1U I/O Shield for X9SKV on SC510, SC505, SC504 with EMI Gasket, RoHS/REACH, PBF	1U I/O Shield for X9SCAA-L use on SC510, SC505, SC504 chassis with EMI Gasket, RoHS/REACH, PBF	1U I/O shield for X9SPV-M4 use in SC510, SC505, SC504 with EMI Gasket, RoHS/REACH, PBF

Rail

Part Number MCP-290-50404-0N • [eStore \(https://store.supermicro.com/1u-rail-kit-mcp-290-50404-0n.html\)](https://store.supermicro.com/1u-rail-kit-mcp-290-50404-0n.html)

Qty -

Description Optional rail kit

Motherboard (for CSE-504-203B)**Motherboard Name**

X9SPV-M4-3U EX9SPV-M4-3Q EX9SPV-M4X9SPV-LN4F-3Q EX9SPV-LN4F-3L EX9SPV-F-3610ME

● = *Most optimized Chassis for SuperServer Configuration*

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Global SKU (/en/products/SMC_global_skus)
