



SuperChassis 512F-520L / 512F-520LB

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Key Features

1. 520W High-efficiency Power Supply
2. 1x 3.5" Internal Drive Bay
3. 3x Counter-rotating Fans
4. 1x I/O Expansion slot
5. Power Switch, Reset, and 5x LED Indicators

Links & Resources

▶ [Chassis Manual](#)

Available Colors

Beige



Black



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

Specifications

Product SKUs - Discontinued SKU. Please contact sales-rep for possible OEM production quantities. MOQ may apply - Discontinued SKU. Please contact sales-rep for possible OEM production quantities. MOQ may apply

CSE-512F-520L ■ SuperChassis 512F-520L (Beige)

CSE-512F-520LB ■ SuperChassis 512F-520LB (Black)

Form Factor

14.5" Mini 1U chassis support for max. motherboard size - 12" x 10" ATX

Processor Support

Supports dual, single Intel® / AMD processors

Dimensions

Height	■ 1.7" (43mm)
Width	■ 17.2" (437mm)
Depth	■ 14.5" (369mm)
Gross Weight	■ 14 lbs (6.4kg)

Available Colors ■ Beige, Black

Expansion Slot

1x full-height half-length expansion slot (Riser Card Required)

Drive Bay

Internal Bay ■ 1x 3.5" internal drive bay
SAS or enterprise SATA HDD only recommended

Front Panel

Buttons	■ Power On/Off button ■ Reset button
LEDs	■ Power LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat LED

System Cooling

Fans ■ 3x 4cm 4-pin PWM 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

520W AC to DC power supply w/ PFC

AC Voltage ■ 100 - 240V, 50 - 60Hz, 7 - 3Amp

+5V ■ 20 Amp

+5V standby ■ 3 Amp

+12V ■ 39 Amp

-12V ■ 0.5 Amp

+3.3V ■ 16 Amp

Regulatory (Power Supply)

■ USA - UL listed, FCC
■ Canada - CUL listed
■ Germany - TUV Certified
■ Europe/CE Mark
■ EN 60950/IEC 60950-Compliant

Components

Standard Parts List

	Part Number	Qty	Description
Chassis	CSE-512F-520L	1	14" Mini 1U Chassis (Beige)
	CSE-512F-520LB	1	14" Mini 1U Chassis (Black)
Power Supply	PWS-521-1H	1	520W, 1U w/ harness power supply, 24 pin; server exemption
Cable 1	CBL-0160L	1	NEMA5-15P to C power cord 16AWG 6ft, PBF (default for high watt)
Cable 2	CBL-0156L	1	Front ctrl cable Round 16 pin to 16 pin, 40cm, 28AWG
Fan 1	FAN-0087L4	3	40x56,4 Pin PWM Fan
Front Panel	MCP-280-51201-0N	1	Front control board (FP512) for SC512 (surface-mounted LED)
Fan Holder	MCP-320-00002-01	1	Fan tray of three 40x40x56mm fans for SC512F-520

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-0084L	-	Front control cable 16-pin split convertor 6", PBF
Hard Drive Bracket	MCP-220-00051-0N	-	Single 2.5" fixed HDD mounting bracket
	MCP-220-00044-0N	-	Dual 2.5" fixed HDD mounting bracket

Mounting Rails	MCP-290-00004-03	-	25.6" to 33.05" chassis rail set for SC512F
Quick Release Rails	MCP-290-00055-0N	-	25.6" to 33.05" chassis rail set, screw/quick, for SC512F
	MCP-290-00056-0N	-	19" to 26.4" outer rail, /quick, for 1U 17.2" W chassis (MCP-290-00004-03 required)
Heatsink / Retention	-	-	Please refer to our Thermal Components Matrix