BLACK BOX ®

NETWORK SERVICES

CampusLIGHT™ Power Rack

Rackmount Frame, 16-Slot (3U)

Specifications

Humidity — Maximum 95%, non-condensing

Temperature —
Operating: 0 to 40° C;
Storage: -10 to +70° C

Size — , with power supply installed 13.3 x 48.3 x 30 cm

Weight — 2 kg

below and **page 2**).
Installation requires only a cage-nut insertion tool and a screwdriver. The RM510 includes all the necessary cage nuts and fixing screws required to mount the frame in a standard 19" rack and to install CampusLIGHT extenders in the frame.

The RM510 includes . . .

- 19" rackmount frame
- (4) M6 cage nuts for fixing the frame to a 19" rack
- (4) M6 screws for fixing the frame to a 19" rack
- (32) M3 screws for fixing CampusLIGHT extenders and an optional power supply to the frame

Ordering Information

ITEM	CODE
CampusLIGHT Rackmount Frame, 16-Slot (3U)	RM510

90- to 264-VAC Power Supply for RM510

This AC-powered, rackmounting power supply can power up to 14 CampusLIGHT extenders. The autoranging 90- to 264-VAC input is UL and CE approved and is EMI/RFI compliant to FCC and European standards.

The PS500 occupies the extreme left slot of the RM510 (see **above**). AC input is via an unswitched IEC 320 socket toward the rear of the unit.

The 12-VDC output plugs into a distribution board that runs the full width of the RM510 and spans all 14 plug-in locations.

The distribution board feeds the DC output to all plug-in locations via 14 DC sockets. This enables each installed extender to receive its power input from the DC socket that corresponds to its installed position, keeping cabling tidy. The interconnection is made using the DC link cable included with each extender rackmounting kit.

Specifications

FCC Compliance — Class A, Part 15, Subpart J

Humidity — Maximum 95%, non-condensing

Temperature —
Operating: 0 to 40°C;
Storage: -10 to +70°C

Vibration — 10–55 Hz at 2 g, 3-minute periods for 60 minutes

along X, Y, and Z axes

Power — Input: 90–264 VAC, 50–60 Hz, autosensing; Output: 12 ± 0.5 VDC @ 8.5 Amps

Size — 10 x 5 x 28.4 cm

Weight — 2 kg

Ordering Information

ITEM	CODE
90- to 264-VAC Power Supply for RM510	PS500E

48-VDC Power Supply for RM510

This DC-powered, rackmounting power supply can power up to 14 CampusLIGHT™ extenders. The autoranging 42–60-VDC input is UL® and CE approved and is EMI/RFI compliant to FCC and European standards.

The LCL100-PS48 occupies the extreme left slot of the RM510 (see **page 1**). The nominal 48-VDC input is via an unswitched 3-way screw terminal connector towards the rear of the unit.

The 12-VDC output is fed through a demountable plug to a distribution board that runs the full width of the RM510 and spans all 14 plug-in locations.

The distribution board feeds the DC output to all plug-in locations via 14 DC sockets, enabling each installed extender to receive its power input from the DC socket that corresponds to its installed position. This keeps cables tidy. Interconnection is done with the DC link cable included with each extender rackmounting kit.

Use two units to provide redundant power to the RM510, with 12 slots left for extenders.

Specifications

Humidity — Maximum 95%, non-condensing

Safety Approvals — UL 1950, cUL 1950, conforms to EN60950

Temperature —
Operating: 0 to 40° C;
Storage: -10 to +85° C

Power — Input: 42–60 VDC, autosensing (48 VDC, nominal);
Output: 12 ± 0.5 VDC @ 8.0 Amps

Size — 10 x 5 x 28.4 cm

Weight — 2 kg

▼ *Ordering Information*

ITEM	CODE
48-VDC Power Supply for RM510	LCL100-PS48

Rackmount Frame, 4-Slot (1U) (No Power Supply)

This CampusLIGHT rackmount frame is only 1U (1.75") high and mounts in any standard 19" rack. It can accommodate up to four CampusLIGHT extenders.

The LCL100-RACK does not support the AC and DC rackmount power supplies described **above** and on **page 1**.

Specifications

Humidity — Maximum 95%, non-condensing

Temperature —
Operating: 0 to 40° C;
Storage: -10 to +80° C

Size — 4.4 x 48.3 x 1.3 cm

Weight — 1 kg

▼ *Ordering Information*

ITEM	CODE
Rackmount Frame, 4-Slot (1U) (No Power Supply)......................................	LCL100-RACK

Wallmount Bracket

With the convenient, space-saving LCL100-WALL, you can mount an individual CampusLIGHT extender and its power supply to the wall.

Specifications

Size — 18 x 19 x 4 cm

Weight — 1 kg

▼ *Ordering Information*

ITEM	CODE
Wallmount Bracket	LCL100-WALL