

EURACK/USRACK Fiber Rack Mounts

CHASSIS FOR FIBER OPTIC MODULES WITH INTERNAL POWER SUPPLY

Product Features

- 4 Rack Units (RU) High
- Mounts in a EIA-Standard 48.26 cm (19-Inch) Rack
- Holds up to 14 Single-Width Fiber Optic Modules
- Hot-Swappable Internal Power Supply
- Voltage Transient Protection on All Power and Signal Input/Output Lines
- Optional Blank Modules
- Compatible with All FTV/FRV Series Modules



The **EURACK/USRACK** chassis is designed to hold up to 14 single-width fiber optic modules. The internal power supply is 4 RU high. The chassis is designed to mount into an EIA-standard, 48.26 cm (19-inch) rack. Optional single-width blank modules (RACK1B) can be inserted into empty module slots.

The **EURACK/USRACK** fiber card cage features automatic electronic current limiting at each module rather than limiting current at the power supply. With this design, if a fiber module fault occurs, only the faulty module will shut down. All other modules within the rack will continue to operate unimpaired.

The automatic current limiting feature of the **EURACK/USRACK** is also self-resetting. This allows the unit to handle a temporary or intermittent fault or overload. Modules in the chassis are hot-swappable, allowing the rack to remain powered when removing or replacing modules.

TECHNICAL SPECIFICATIONS

MODEL

EURACK	Rack-mount chassis for up to 14 fiber optic modules, internal power supply, EU power cord
USRACK	Rack-mount chassis for up to 14 fiber optic modules, internal power supply, US power cord

ELECTRICAL

Input Voltage	90 to 264 VAC at 70 W maximum
Output Voltage	9 VDC \pm 5% at 6.5 A at 75°C
Fuse Rating	1.25 A slow blow (rack power supply); plug-in modules are individually electronically fused; each power supply unit is individually fused
Power Connector	2-pin, for user-supplied power supply
Power Indicator	Red LED
AC Line Cord	Detachable, IEC-connected; allows easy field replacement or exchange for various AC power cord configurations
MTBF	>100,000 hours

ENVIRONMENTAL

Operating Temperature	-40° to 75°C (-40° to 167°F)
Storage Temperature	-40° to 85°C (-40° to 185°F)
Operating Humidity	20 to 80%, noncondensing
Maximum Humidity Gradient	10% per hour
Operating Altitude	-16 to 3,048 m (-50 to 10,000 ft)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/minute
Heat Generation	240 BTU (full rack average)

GENERAL

Rack Units	4
Construction	Aluminum
Dimensions	48.2 \times 19.0 \times 17.5 cm (19.0" D \times 7.5" W \times 6.9" H)
Mounting	Fits in a 48.26 cm (19-inch) EIA-standard rack
Unit Weight	2.00 kg (4.35 lb)
Shipping Weight	2.27 kg (5.00 lb)

CERTIFICATIONS/RATINGS*

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick
- Designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards

*At the time of this printing, all certifications are pending. Please consult the factory, our Web site (www.pelco.com), or the most recent B.O.S.S.® update for the current status of certifications.

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