



517R1 Rack

Product Specification



Description: 17-Position Card Cage Rack

Features

- ✓ 17 1-Inch card slots
- ✓ Accommodates 1, 2, and 3 inch cards
- ✓ Blank filler panels available
- ✓ Cooling Area Increased Over 230%
- ✓ Internal or external power supplies available

Description

The compact 517R1 Card Cage Rack provides high-density racking for Fiber Options fiber-optic modules. It is designed to mount in standard 19-inch (48.3 cm) instrument racks. Fiber Options rack cards come in module widths of 1, 2, or 3 inches, and the 517R1 can accommodate the equivalent of 17 1-inch modules. A series of optional blank filler panels are available for unused rack spaces.

The 517R1 is designed to be powered by either the 515PS1 internal power supply or the 517EPS external power supply. The 515PS1 occupies two rack slots, while the 517EPS is housed in a standard 19-inch rack mount housing that is 2 rack units (2 RU) high. One 517EPS can support two full 517R1 racks.

The Power Factor

The Power Factor has been developed as an aid in determining what combination of rack modules can be supported by a specific model of rack power supply. To use it, add up the numbers in the Power Factor column of the Fiber Finder or obtain the Power Factor

from the individual product specification sheet. The total for a given rack must be less than or equal to the power supply Power Factor.

515PS1 Power Factor = 48 (6 A)

517EPS Power Factor = 40 (5 A) for each of two racks

Basic Model Description

517R1 17 Position card cage rack. 3 rack units (3RU) high.

www.fiberoptions.com

Fiber Options 80 Orville Drive, Bohemia NY 11716-2533

US Tel: 631-567-8320 or 800-342-3748

UK Tel: +44 113 238 1668

Australia Tel: +61 3 9370 9192 **Fax:** +61 3 9370 9936

info@fiberoptions.com

Fax: 877-FiberFax (877-342-3732 toll free) or 631-567-8322

Fax: +44 113 253 8121

Hong Kong Tel: +852 2907 8108 **Fax:** +852 2142 5063

SERIES 517R1

Power Factor Examples

Example 1:

You want to install a number of S700V receivers in a 517R1 rack. The rack will hold up to 15 S700V receivers and one 515PS1.

The S700V power factor is PF 1.

$15 \times \text{PF } 1 = \text{PF } 15$, the total power required by the receivers.

515PS1 = PF 48, so the 515PS1 has plenty of power to spare for these receivers.

Example 2:

You want to mount S730DV receivers in a 517R1 rack. The S730DV is a single (1-inch) module. How many S730DV modules can the 515PS1 support?

The S730DV power factor is PF 6.

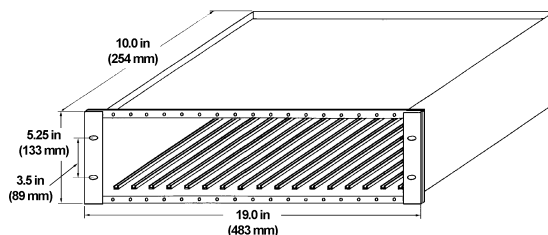
515PS1 = PF 48.

$48/6 = 8$ There is enough power to support eight S730DV receivers. There will be 5 unused slots.

MECHANICAL

Dimensions:	Height: 5.23 in (133 mm) Width: 19.0 in (483 mm) Depth: 9.86 in (250 mm)	Shipping Volume:	1.0 cu ft (0.028 cu m)
Weight:	2.91 lb (1.32 kg)	Shipping Weight:	5.0 lb (2.27 kg)
Shipping Dimensions:	Height: 7.3 in (185 mm) Width: 20.0 in. (508 mm) Depth: 11.8 in (300 mm)	Construction:	Aluminum
		Finish:	Black semigloss paint
		Mounting Method:	Mounts in standard 19-inch instrument rack with 4 screws. Requires 3 RU of vertical space

FIGURE 1: OUTLINE DRAWING - 517R1



THE FOREVER WARRANTY

Fiber Options warrants that, at the time of shipment, the products manufactured by *Fiber Options* will be free from defects in material and workmanship. Should any defects appear in the product, *Fiber Options* shall repair or replace the product or supply an equivalent, at its sole discretion. A Return Authorization (RA) number is required to send the unit back in case return is necessary. Return shipments to *Fiber Options* shall be at the buyer's expense. *Fiber Options* will return said equipment prepaid via best way.

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