

### Overview

The compact Digital Fiber Rack, with optional Power Supply module (DFRP) provides high-density racking for fiber-optic modules of DF series and IFS series. Designed to mount in standard 19-inch instrument racks, the rack mount card cage can accommodate the equivalent of 14 (1-slot) modules or 7 (2-slot) modules. All modules located within the chassis rack are hot-swappable, so that modules can be removed or replaced without powering down the rack.

### Built-In Power Supply

The model DFRP 19" chassis rack runs on a PS1 internal power supply which accepts an AC input voltage from 100 to 240 VAC, 60/50 Hz. The unit provides a single 12 VDC output and a second power supply can be installed in the digital fiber rack to provide redundancy and load sharing. If any unit fails, the remaining supply will take up the full load.

### Standard Features

- Card cage rack for EIA consoles
- Permits local installation of DF models
- Permit IFS modules with adaptor plate
- Mounts in standard 19-inch instrument racks
- Accommodates redundant power supplies
- Power supplies equipped with alarm outputs
- Blank filler panels available for open slots
- Network management system for rack communications
  - Status monitoring and operational management
  - Operational level determination and access control
  - Network ready for health and connection monitoring

# Rack Mount Card Cage



DFRP



DFR



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F 503-691-7566

Asia  
T 852-2907-8108  
F 852-2142-5063

Australia and New Zealand  
T 613-9239-1200  
F 613-9239-1299

Europe  
T 32-2-719-98-47  
F 32-2-719-98-46

Latin America  
T 305-593-4301  
F 305-593-4300

Specifications subject to  
change without notice.

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## Specifications

Electrical	
Power Supply Input	100 ~240 VAC, 50/60Hz
Input Current	1.66A@115VAC 0.80A@230VAC
Supply Input Connector	IEC C14 Chassis-mount socket
DC Voltage Output	12 VDC
Current Output	12.5A DC (max.)
Power Consumption	190VA@115VAC
Power Output	150W (max.)
Fuse Rating	4A, 250V, Slow-blow
Fuse Size	5x20mm, located in pull-out tray on back panel

Connectors	
Power input	Recessed IEC 320 3-pin male (Cable supplied)

Mechanical	
Number of Slots	17
Dimensions or Module H x W x D	176 x 483 x 219 mm (7 x 19 x 8.76 in)
Construction & Finish	Black colored metal sheets of uniform thickness of 1.5mm (0.06 inches) and with stainless treatment

Environmental	
Operating Temperature	-40° C to +75° C
Storage Temperature	-40° C to +85° C
Relative Humidity	0 to 95% non-condensing

MTBF	
MTBF	>100,000 Hours

## Ordering Information

DFRP	19" Rack, 115VAC and 230VAC Input (includes power supply)
DFR	19" Rack, (no power supply)

## Options

DFR-PS1	100 ~240 VAC, 50/60Hz power supply
DFR-BPF	Blank Panel (1-Slot)
DFR-R3-1	Adapter plate R3 for 1-slot IFS product
DFR-R3-2	Adapter plate R3 for 2-slot IFS product
DFR-R3-3	Adapter plate R3 for 3-slot IFS product

