Overview

The IFS -R3 Fiber Optic Card Adaptors provide a cost-effective, hybrid solution when migrating from an analog platform to a digital platform with IP integration. These adaptors can be used to install legacy IFS -R3 fiber optic cards into DFR Smart Rack card cages.
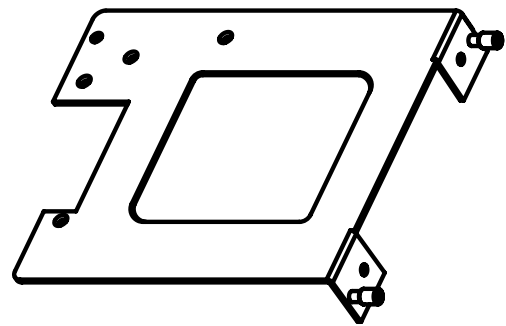
Available in 1-slot, 2-slot, 3-slot and 4-slot versions, IFS -R3 adaptors provide complete integration of existing legacy IFS -R3 fiber optic cards into the IFS Digital Fiber Platform. This allows users to maintain their investment in legacy IFS fiber optic equipment as they transition to an IFS Digital Smart Rack platform for digital and IP transmission.

While legacy IFS -R3 fiber optic cards cannot provide health and status monitoring or report module specific parameters, they are recognizable by the IFS IP Network Management Module firmware. This module will display the card's integration into the Smart Rack through the browser-based GUI. Additionally, if an IFS -R3 card has been inserted or removed from a Smart Rack, the IP Network Management Module will report any event change through the alarm status log.

Standard Features

- Can be used with 1-slot, 2-slot, 3-slot and 4-slot IFS –R3 fiber optic cards

- Allows users to maintain their investment in legacy IFS equipment

- Features an integrated power adaptor circuit board and connector for use with the Smart Rack backplane

- Includes adaptor plate, support columns, screws and complete installation instructions

IFS -R3 Fiber Optics Card Adaptor

DFR-R3-1

Specifications

DFR-R3-1	(For use with IFS 1-slot R3 cards)
Adaptor Plate Dimensions (in./cm.) (HwWxD)	Qty. 1 – 7.9 x 6.2 x 1.0 in. (200 x 158.4 x 25 mm)
Standoff Support Columns	Qty. 2 – Aluminum alloy (2.95 x 15 mm)
Standoff Screws	Qty. 2 – No. 5-40 Flat head; Length: 24.5 mm; screw thread:10 mm
Adaptor Plate Screws	Qty. 2 – M2 5X6 Philips; Round head
Weight	.26 lbs; 0.12kg
DFR-R3-2	(For use with IFS 2-slot R3 cards)
Adaptor Plate Dimensions (in./cm.) (HwWxD)	Qty. 1 – 7.9 x 6.2 x 2.0 in. (200 x 158.4 x 50.3 mm)
Standoff Support Columns	Qty. 2 – Aluminum alloy (2.95 x15 mm)
Standoff Screws	Qty. 2 – No.5-40 Flat head; Length: 49.5 mm; screw thread:10 mm
Adaptor Plate Screws	Qty. 2 – M2 5X6 Philips; Round head
Weight	.31 lbs.; 14kg
DFR-R3-3	(For use with IFS 3-slot R3 cards)
Adaptor Plate Dimensions (in./cm.) (HwWxD)	Qty. 1 – 7.9 x 6.2 x 3.0 in. (200 x 158.4 x 75.7 mm)
Standoff Support Columns	Qty. 2 – Aluminum alloy (2.95 x15 mm)
Standoff Screws	Qty. 2 – No.5-40 Flat head; Length: 74 mm; screw thread:10 mm
Adaptor Plate Screws	Qty. 4 – M2 5X6 Philips; Round head
Mini Board 2	Qty. 1 – Connectors: 3-pin back plane mating connector and 2-pin connector at JP2
Weight	.33 lbs; 0.15kg
DFR-R3-4	(For use with IFS 4-slot R3 cards)
Adaptor Plate Dimensions (in./cm.) (HwWxD)	Qty. 1 – 7.9 x 6.2 x 3.0 in. (200 x 158.4 x 101.1 mm)
Standoff Support Columns	Qty. 2 – Aluminum alloy (2.95 x 15.3 mm)
Standoff Screws	Qty. 2 – No.5-40 Flat head; Length: 98.5 mm; screw thread:10 mm
Adaptor Plate Screws	Qty. 4 – M2 5X6 Philips; Round head
Mini Board 2	Qty. 1 – Connectors: 3-pin back plane mating connector and 2-pin connector at JP2
Weight	.35 lbs. 16kg
Adaptor Connectors	
IFS -R3 connector	3-pin power connector receptacle
Smart Rack (rack-mount)	10-pin smart bus connector
Electrical	
Operating Voltage	12VDC
Current Draw	Varies by IFS –R3 card used
Environmental	
MTBF	>100,000 hours
Operating Temperature	-40° ~ +70°C
Storage Temperature	-40° ~ +85°C
Relative Humidity	0 to 95% non-condensing

IFS -R3 Fiber Optic Card Adaptor Drawings

DFR-R3-1   DFR-R3-2   DFR-R3-3   DFR-R3-4
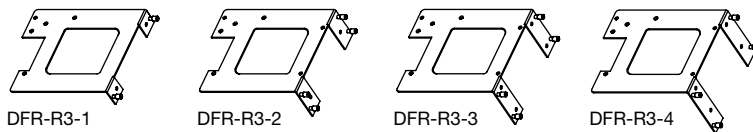
Ordering Information

Part Number	Description
DFR-R3-1	IFS -R3 Fiber Optic Card Adaptor (1-slot)
DFR-R3-2	IFS -R3 Fiber Optic Card Adaptor (2-slot)
DFR-R3-3	IFS -R3 Fiber Optic Card Adaptor (3-slot)
DFR-R3-4	IFS -R3 Fiber Optic Card Adaptor (4-slot)

Note: These units are not suitable for the IFS 4000, 4500, 4700 or 4900 -R3 series product. These modules require a center tap power connection which is not available with the DFR Smart Rack.

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