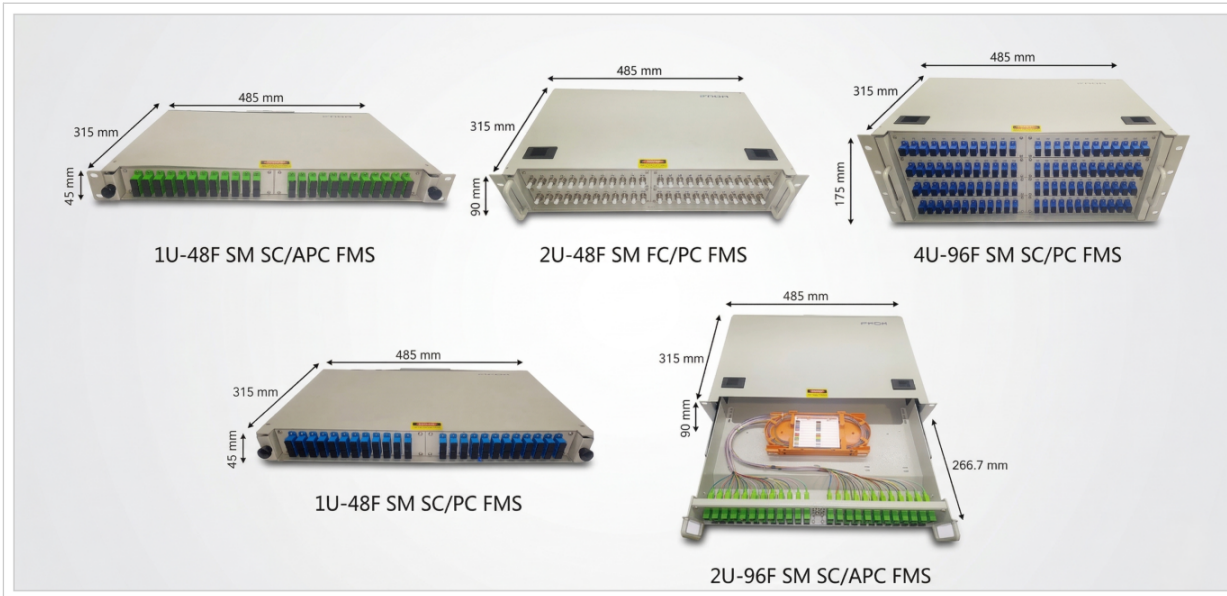




General Description

The PDR Rack Mount Fiber Management System (FMS) delivers modularity, flexibility, and scalability for high-density fiber optic cable management in data centres, telecom rooms, and enterprise networks. The range comprises 19-inch / 21-inch rack-mount enclosures in 1U, 2U, 4U, and 6U heights, together supporting 6 to 576 fiber terminations. Each enclosure is designed to fit the maximum number of industry-standard adapter panels within the smallest possible footprint. Robust CRCA steel construction with a structured powder-coated finish (80–100 µm) ensures durability, while a removable top cover and sliding tray mechanism provide quick access to service connections. Available fully loaded in single-mode (SM) or multimode (MM) configurations with pigtails, adapters, and splice accessories.

Key Features

- 19-inch / 21-inch rack mount enclosure available in 1U, 2U, 4U, and 6U heights for scalable fiber density
- Supports 6F to 576F fiber terminations per enclosure — FC, SC, ST, and LC connector types
- Removable top cover and sliding tray mechanism for quick and easy access to service connections
- Multiple cable entry and exit openings for flexible routing and installation
- Slide-out mechanism provides excellent cable management and organises cable slack efficiently
- Maintains minimum bend radius of pigtails and patch cords to protect fiber integrity
- Hinged ABS splice trays for easy access during installation, maintenance, and upgradation
- Clear port identification on front plate for fast and error-free patching
- CRCA steel construction with powder coat finish (80–100 µm) to RAL 7032 or customised colour
- Available with optional rodent cover for additional cable protection

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Technical Specifications

Parameter	Specification
Rack Compatibility	19-inch / 21-inch standard rack mount
Available Rack Heights	1U 2U 4U 6U
Fiber Capacity Range	6F to 576F per enclosure
Connector Types	FC / SC / ST (XX series) LC / PC (LC series)
Material	CRCA (Cold-Rolled Close-Annealed steel)
Finish	Structure finish and powder coated — 80–100 µm
Colour	RAL 7032 (standard) Customised on request
Cable Entry	Rear
Cable Mounting	Horizontal
Splice Tray	Hinged type ABS
Top Cover	Removable for service access
Access Mechanism	Sliding tray
Rodent Cover	Available (optional)
Dimensions — Rack 1U	445 mm × 285 mm × 48 mm
Dimensions — Rack 2U	450 mm × 285 mm × 90 mm
Dimensions — Rack 4U	450 mm × 285 mm × 180 mm
Dimensions — Rack 6U	450 mm × 285 mm × 270 mm

* Available fully loaded with SM or MM pigtails, adapters, and splice accessories.

Applications

- Data centre main distribution frames (MDF) and structured cabling infrastructure
- Telecommunications exchange and central office fiber termination panels
- Enterprise LAN fiber backbone and horizontal cabling patch points
- FTTH and FTTB aggregation points in multi-dwelling unit (MDU) installations
- Campus fiber optic network distribution and interconnect frames
- Industrial and commercial high-density fiber management enclosures

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Ordering Information

Model code: 19/21-RM-[Rack Unit]-[Fiber Count]-[Connector]. Replace the connector suffix (XX) with FC, SC, or ST; use LC for LC/PC models.

Rack Mount (RM) — FC / SC / ST Series (XX)

Model No.	Rack Unit	Fibers	Trays	Dimensions (mm)
19/21-RM-1U-6F-XX	1U	6F	1	445 × 285 × 48
19/21-RM-1U-12F-XX	1U	12F	1	445 × 285 × 48
19/21-RM-1U-24F-XX	1U	24F	1	445 × 285 × 48
19/21-RM-1U-48F-XX	1U	48F	2	445 × 285 × 48
19/21-RM-2U-48F-XX	2U	48F	2	450 × 285 × 90
19/21-RM-2U-96F-XX	2U	96F	4	450 × 285 × 90
19/21-RM-4U-96F-XX	4U	96F	4	450 × 285 × 180
19/21-RM-4U-192F-XX	4U	192F	8	450 × 285 × 180
19/21-RM-6U-144F-XX	6U	144F	6	450 × 285 × 270
19/21-RM-6U-288F-XX	6U	288F	8	450 × 285 × 270

Rack Mount (RM) — LC / PC Series

Model No.	Rack Unit	Fibers	Trays	Dimensions (mm)
19/21-RM-1U-6F-LC	1U	6F	1	445 × 285 × 48
19/21-RM-1U-12F-LC	1U	12F	1	445 × 285 × 48
19/21-RM-1U-24F-LC	1U	24F	1	445 × 285 × 48
19/21-RM-1U-48F-LC	1U	48F	2	445 × 285 × 48
19/21-RM-1U-96F-LC	1U	96F	2	445 × 285 × 48
19/21-RM-2U-48F-LC	2U	48F	2	450 × 285 × 90
19/21-RM-2U-96F-LC	2U	96F	4	450 × 285 × 90
19/21-RM-2U-192F-LC	2U	192F	4	450 × 285 × 90
19/21-RM-4U-192F-LC	4U	192F	6	450 × 285 × 180
19/21-RM-4U-384F-LC	4U	384F	8	450 × 285 × 180
19/21-RM-6U-288F-LC	6U	288F	12	450 × 285 × 270
19/21-RM-6U-576F-LC	6U	576F	12	450 × 285 × 270

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