

Optical Fiber Patch Panel

TECHNICAL DATA SHEET

**Fiber Optic Rack-Mount Distribution Frame
– Duplex (ODF-RS-205 24/48) 1U 19”
Standard Design For SC-DX or LC-QD
adapters**



Fiber Optic Rack-Mount Distribution Frame – Duplex **(ODF-RS-205 24/48) 1U 19" Standard Design For SC-DX or** **LC-QD adapters**

Product Description:

The ODF-RS-205 24/48 is a 19-inch rack-mounted, 1U fiber optic distribution frame designed for high-density fiber termination, splicing, and patching in telecom and data network environments. It supports duplex adapter configurations (SC Duplex and LC Quad/LC Duplex depending on footprint design) and is commonly used for scalable fiber distribution in structured cabling systems.



It integrates fiber management, splice protection, and patching in a compact sliding chassis for easy installation and maintenance.

Features:

- High-density 1U design supporting up to 48 fibers
- Compatible with SC Duplex and LC Quad adapters
- Sliding tray for easy front access and maintenance
- Integrated fiber routing and bend-radius protection
- Strong steel chassis with corrosion-resistant coating
- Supports structured cabling in telecom and enterprise networks

Applications:

- Data centers
- FTTH / FTTx networks
- Telecom central offices
- LAN / WAN backbone networks
- CATV systems
- Enterprise structured cabling

Technical Specifications:

Item	Specification
Model	ODF-RS-205 24/48
Type	Fiber Optic Rack-Mount Distribution Frame
Mounting	19" Standard Rack
Height	1U (44 mm)
Fiber Capacity	24 to 48 fibers
Adapter Types	SC Duplex (SC-DX) / LC Quad (LC-QD)
Structure	Sliding / pull-out tray design
Material	Cold-rolled steel
Coating	Electrostatic powder coating
Application	Indoor telecom & data center use

Mechanical Characteristic:

Parameter	Value
Width	19" standard (\approx 482–483 mm)
Height	1U (44 mm)
Depth	\sim 205 mm
Capacity	24–48 cores

Advantages

- Efficient **space utilization (1U high density design)**
- Flexible **SC-DX / LC-QD adapter compatibility**
- Easy installation via **sliding rail system**
- Organized fiber routing and protection
- Suitable for scalable telecom and enterprise networks