

## Optical Fiber Patch Panel

### TECHNICAL DATA SHEET

# Fiber Optic Economical Rack-Mount Distribution Frame - Simplex (ODF-EC-DX) 1U 19" Standard Design For SC-DX or LC- QD adapters



## **Fiber Optic Economical Rack-Mount Distribution Frame - Simplex (ODF-EC-DX) 1U 19" Standard Design For SC-DX or LC-QD adapters**

### **Product Description:**

The ODF-EC-DX is an economical 19-inch rack-mount fiber optic distribution frame designed for efficient fiber termination, splicing, and patching in telecom and structured cabling networks. It provides a cost-effective solution for small to medium fiber networks while maintaining reliable fiber management and protection.



It supports SC Duplex (SC-DX) and LC Quad/Duplex (LC-QD) adapter configurations depending on the front panel layout, making it flexible for different network requirements.

### **Features:**

- **Cost-effective design** suitable for budget-friendly fiber deployments
- **Standard 19" 1U rack mount** for easy integration
- **Supports SC Duplex and LC Quad/Duplex adapters**
- Organized fiber routing with bend-radius protection
- Integrated splice tray support for fiber protection and management
- Lightweight structure suitable for enterprise and ISP networks
- Easy installation and maintenance in telecom racks

## Applications:

- FTTH / FTTx access networks
- Local Area Networks (LAN / WAN)
- Telecom distribution rooms
- Data centers (small scale deployments)
- CCTV fiber backbone systems
- Enterprise structured cabling

## Technical Specifications:

Item	Specification
Model	ODF-EC-DX
Type	Economical Fiber Optic Distribution Frame
Mounting	19" Rack Mount
Height	1U (44 mm)
Configuration	Simplex / Economical Design
Fiber Capacity	Typically 12–24 cores (depending on panel version)
Adapter Types	SC-DX / LC-QD
Material	Steel (lightweight / economical grade)
Surface Finish	Powder-coated anti-corrosion finish
Structure	Fixed or sliding tray design (variant dependent)
Installation	Indoor rack-mounted

## Mechanical Characteristic:

Parameter	Value
Width	19" standard ( $\approx$ 482–483 mm)
Height	1U (44 mm)
Depth	$\sim$ 200–250 mm (varies by manufacturer)
Weight	Lightweight steel construction

## Advantages

- Lower cost compared to high-end ODF models
- Flexible adapter compatibility (SC / LC)
- Space-saving 1U rack design
- Suitable for scalable fiber deployment projects
- Simple maintenance and fiber access