

## Optical Fiber Patch Panel

### TECHNICAL DATA SHEET

## Fiber Optic Economical Rack-Mount Distribution Frame – Simplex (ODF-EC-SX)



## **Fiber Optic Economical Rack-Mount Distribution Frame – Simplex (ODF-EC-SX)**

### **Product Description:**

The **ODF-EC-SX** is an economical **19-inch rack-mount fiber optic distribution frame** designed for fiber termination, splicing, and patching in cost-sensitive FTTH, LAN, and telecom applications. It provides a compact and efficient solution for managing fiber connections while maintaining essential protection and organization of optical cables.



This model is part of the economical ODF series, optimized for **simplex configurations (SC-SX / LC-DX compatibility depending on panel layout)** and small-to-medium fiber deployment projects.

### **Features:**

- **Cost-effective 1U rack design for small and medium fiber networks**
- **Supports SC simplex and LC duplex configurations**
- **Compatible with standard 19-inch telecom racks**
- **Integrated fiber routing for bend protection and organization**
- **Suitable for single-mode and multi-mode fiber distribution**
- **Lightweight and easy to install**
- **Flexible splice tray support for fiber management**

## Applications:

- FTTH (Fiber to the Home) networks
- FTTx access systems
- Telecom distribution rooms
- LAN / WAN infrastructure
- CCTV fiber backbone systems
- Small data center deployments

## Technical Specifications:

Item	Specification
Model	ODF-EC-SX
Type	Economical Fiber Optic Distribution Frame
Mounting	19" Rack Mount
Height	1U (44 mm)
Configuration	Simplex
Fiber Capacity	Typically 12–24 cores (varies by version)
Adapter Types	SC-SX / LC-DX
Material	Steel (economical grade)
Surface Finish	Electrostatic powder coating
Structure	Fixed or sliding tray (depending on variant)
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

- Low-cost solution for fiber termination projects
- Space-saving **1U rack-mounted design**
- Flexible adapter support (SC / LC)
- Simple installation and maintenance
- Suitable for scalable network expansion