

Odf patch panel rack type



AI Overview

ODF patch panels are available in rack-mount, wall-mount, and modular configurations, designed to manage fiber connections efficiently in data centers, telecom rooms, and enterprise networks.

Rack-Mount ODFs Rack-mount ODFs are the most common type for high-density deployments. They typically conform to 19-inch or 23-inch standards and come in heights from 1U to 4U, accommodating 12 to 288 ports depending on the model and connector type (LC, SC, FC, ST, or MPO/MTP). These racks are ideal for data centers, telecom central offices, and enterprise network closets, providing structured fiber termination, cross-connection, and patching capabilities.

Features

- High-density support:** 96+ LC duplex ports in 1U, up to 720 ports in floor-standing frames.
- Sliding or fixed trays:** Sliding trays allow rear access without removing the panel from the rack, while fixed trays are more cost-effective.
- Integrated splice trays:** Protect fiber splices and maintain proper bend radius.
- Cable management:** Bend-radius-compliant channels, snap-in adapter plates, and routing guides.

Wall-Mount ODFs Wall-mount ODFs are compact units suitable for telecom rooms, small offices, or building entry points. They are designed for lower fiber counts and limited floor space, typically supporting 12 to 96 ports. These units are ideal for FTTH deployments or small enterprise networks, providing easy access for patching and maintenance.

Features

- Space-saving design:** Mounted directly on walls to conserve floor space.
- Modular expansion:** Can accommodate additional patch panels or splice trays as needed.
- Environmental protection:** Some models are weatherproof for outdoor or semi-outdoor installations.

Modular and High-Density ODFs Modular ODFs are scalable systems that allow network growth without replacing the entire frame. High-density ODFs integrate MPO/MTP adapters for multi-fiber connections, supporting 400G/800G data center links. These are suitable for large-scale data centers or carrier networks where fiber counts can reach hundreds or thousands.

Article Content

Fiber Optic Patch Panel — Rack Mount ODF | TTI Fiber

2U Rack Mount ODF Standard 19-inch 2U rack-mountable fiber optic patch panel with up to 48 LC duplex ports. Available in sliding drawer or fixed configurations with integrated splice trays and

Optical Distribution Frame (ODF): The Complete Guide

Q1: What is the difference between an ODF and a patch panel? An ODF is the entire frame or cabinet managing fiber connections, while a patch

StarTech 6U Wall Mount Network Cabinet

This reduces the horizontal footprint of your equipment while still providing plenty of room for your servers, patch panels, and switches. Keep your equipment cool and secure To help keep your

Understanding the Difference Between ODF and Patch

The primary difference between ODF and patch panels lies in the type of cables they manage. ODF are designed specifically for fiber optic cables,

Fiber Optic Patch Panel — Rack Mount ODF | TTI Fiber

Fiber optic patch panels and ODF units. 12-288 port rack mount, wall mount & sliding types. Pre-loaded or empty chassis.

Optical Distribution Frame (ODF) in Telecom: Types & Uses

Discover what ODF is in telecom—types (rack-mount, wall-mount), features, and how it differs from patch panels. Essential for fiber management and network scalability.

Rack Mounted Fiber Optic Patch Panel

Explore the details, specifications and video of our Rack Mounted Fiber Optic Patch Panel, and order high-quality Rack Mounted Fiber Optic Patch Panel from our

Optical distribution frames and patch panels

3U high-density fiber optic patch panel Fixed type 3U for 19" rack-mounted applications, this high density, electrostatic powder sprayed fiber optic patch panel supports 12 MTP cassettes to connect

Rack Mount Patch Panel | Patch Panel | Enclosure

LongXing rack mount patch panels provide a centralized point for termination, splice, storage and distribution of optical fibers, which are suitable for central offices

ODF Patch Panel

The ODF panel is mainly used for interconnection between units within sites and fits in 19" standard racks also with metric mounting pattern. The ODF supports SC-cut out type of adaptors.

Optical Distribution Frames/Patch Panel

ODFs and patch panels generally have vertical rails that allow mounting in standard 19" or 21" rack cabinets. There are also variants for mounting in specially designed cabinets.

Best Selling Rack Mounted Sliding Rail Fiber Optic

Rack Mounted Sliding Rail Fiber Optic Patch Panel ODF Box for Network System
UnitekFiber's sliding type fiber optic patch panel adopts metal architecture design

ODF Chassis & Blocks

Product Type: Fiber VAM chassis | Fiber patch chassis | Fiber patch/splice chassis | Fiber splice chassis
Functionality: Multiplexing | Patching | Splicing | Splitting

Optical Distribution Frame | ODF | LongXing | LongXing

ODFS & PATCH PANELS LongXing optical fiber distribution frames are made of top quality steel and deformed aluminum alloy and treated with galvanizing,

Fiber Patch Panel vs ODF – Main Differences

☐☐ Compare fiber patch panels and ODFs in terms of design, function, and applications to choose the right solution for fiber optic networks.

StarTech 12U 19" Desktop Open Frame Rack

StarTech 12U 19" Desktop Open Frame Rack, 2-Post Free-Standing Network Rack, Switch/Patch Panel/AV/IT Equipment - TAA

Fiber Optic Patch Panel | ODF Optical Distribution Frame (Rack

Generally, a fiber patch panel refers to the 19" rack-mountable unit used for patching. An ODF (Optical Distribution Frame) can refer to the same unit but is also used to describe larger, floor-standing

What is Optical Distribution Frame ODF?

What is ODF? ODF, also known as optical distribution frame or fiber optic patch panel, is a critical device used in optical communication for managing

Fiber Patch Panel (ODF) and High-Density MPO

Explore the structure, functions, and technical advantages of fiber patch panels (ODF) and high-density MPO distribution systems. Learn how

Fiber Optic Patch Panel (ODF) Guide

Complete guide to Fiber Optic Patch Panels (ODF). Learn about wall-mount vs rack-mount ODF, fiber termination, splice tray management, and how to choose the right patch panel for

Fiber Patch Panel vs ODF (2026 Guide) – Differences

Learn differences between fiber patch panels and ODF. Covers topology placement, splicing, MPO/MTP, OS2/OM4, density, best practices, and FAQ for networks.

What is an Optical Distribution Frame?

Learn everything about Optical Distribution Frames (ODF), including their structure, types, features, installation, and differences from patch panels.

Fiber Optic Patch Panel & ODF | 1U/2U/4U Rack & Wall

View our full range of Fiber Optic Patch Panels to browse available configurations, including Rack Mount, Wall Mount, and High-Density ODF solutions.

Fiber Patch Panel vs ODF – Key Differences & Guide

Compare Fiber Patch Panel and ODF for smarter fiber network design. Learn functions, capacity, and when to choose each for optimal

ODF & Patch Panel

GPX09T Features Front rack mount brackets work most network cabinets. Removable front door with designation labels. Function of fiber storage. Vertical cable guides on exit side allow for managed

ODF Fiber Optic Patch Panel, ODF Unit Box Manufacturer/Supplier

UnitekFiber, a professional manufacturer of fiber optic patch panel, can provide high quality rack mount fiber patch panel, wall mount fiber optic patch panel, sliding type ODF and fixed type ODF and so on.

Contact Us

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