Fully Equipped ODF Patch Panel Rack Type



Overview

Our lineup includes 1U/2U/4U 19-inch rack-mount models, wall-mount enclosures for space-constrained sites, and sliding-tray designs that provide full rear access without disrupting adjacent panels.

Key Takeaways

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 ODFsRack-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.

FeaturesHigh-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.

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Wall-

Mount ODFsWall-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.

FeaturesSpace-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 ODFsModular ODFs are scalable systems that allow network growth without replacing the entire frame.

High-density OD

Fs 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.

Features

Scalable trays: Add or remove trays to match fiber count requirements.

MP

O integration: Supports 12–24 fibers per port for high-speed links. Centralized management: Combines large-scale ODF management with localized patch panel flexibility.

Summary

Choosing the right ODF patch panel rack type depends on deployment scale, fiber count, and space constraints: Rack-mount: High-density, data centers, enterprise closets. Wall-mount: Small setups, FTTH, limited space. Modular/high-density: Scalable, carrier networks, large data centers.

All types provide structured fiber management, protection for splices and connectors, and efficient patching, ensuring network reliability and ease of maintenance.

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Article Content

Fiber Optic Patch Panel — Rack Mount ODF | TTI Fiber

Our lineup includes 1U/2U/4U 19-inch rack-mount models, wall-mount enclosures for space-constrained sites, and sliding-tray designs that provide full rear access without disrupting adjacent panels.

19" fully loaded optical distribution frame (ODF) LC-DX 24 P

LogiLink''s fully assembled fiber optic patch panels are designed to fit on a standard 19" rack and provide optimal protection for your fiber optic applications. These pre-assembled fiber optic patch panels are

ODF Module | High Quality ODF Module | Patch Panel

ODF (Optical Distribution Frame) rack mount patch panel ODU-L21 ultimate new design with the most advanced splice & patch system and cable management

Fiber Optic Patch Panel | ODF Optical Distribution Frame (Rack

Streamline your fiber connectivity with our premium Fiber Optic Patch Panels and ODF systems. Designed for reliability and ease of use, our rack-mount and wall-mount solutions provide the perfect

Optical Distribution Frames (ODF) for Central Office/Headend

CommScope''s optical distribution frames (ODF) and racks are designed to fit a variety of fiber cabling applications. Each ODF type is designed with an emphasis on superior cable management and ease

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

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

12–144 Core Modular ODF Patch Panel –High-Density

This modular rack-mounted ODF patch panel supports 12–144 fiber cores, offering high-density, scalable fiber management for data centers and telecom networks.

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

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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.

Optical distribution frames and patch panels

Supporting more fiber with lower cost and higher flexibility, Technetix offers a variety of wall, floor and rack-mounted optical distribution frames (ODF) and patch panels.

1U Sliding Fiber Patch Panel | 48 Fiber SC/APC Duplex

High-density 1U sliding fiber patch panel loaded with 24x SC/APC duplex adapters for 48 fibers. Premium single-mode performance with a smooth pull-out tray.

Optical Distribution Frames/Patch Panel

Optical Distribution Frames/Patch Panel Vladimir Grozdanovic An optical Distribution Frame (ODF) or patch panel is the starting point for optical cables, most commonly found in rack cabinets in Head

Optical Distribution Frame (ODF): What It Is, How It Works, and Why It ...

Learn about Optical Distribution Frames (ODFs) – fiber optic patch panels that manage, protect, and distribute optical signals. Discover ODF components, types, and their role in data

Optical Distribution Frames (ODF) | Melbye

Draw-out-type ODF (optical distribution frame) designed for the placement of optical SC connectors. The design of the patch panel enables to install it into a 19” rack. The ODF is equipped with needle holder

19" fully loaded optical distribution frame (ODF) LC-DX

Product information "19" fully loaded optical distribution frame (ODF) LC-DX 24 P" from LogiLink Professional LogiLink''s fully assembled fiber optic patch panels are

Best Seling Rack Mounted Sliding Rail Fiber Optic

UnitekFiber''s sliding type fiber optic patch panel adopts metal architecture design and strictly follows the 19-inch international rack standard. High-precision

1U Rack Mount Sliding Fiber Optic ODF Patch Panel 24 Ports with ...

This Sliding Fiber Optical patch panel is a 19-inch standard type with 2 steel rails at the side of the panel. It is can be equipped with 2 fiber splice trays for 1U type . The maximum fiber core is up to 48cores.

Fiber Optic Patch Panels for Flexible and Scalable Installations | Foss

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Discover high-quality fiber optic patch panels from Foss – designed for flexibility, scalability, and easy installation in data centers and communication networks. Explore customizable panel solutions that

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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