

Odf double-sided patch panel



AI Overview

An ODF double-sided patch panel is a high-density fiber management unit that allows fiber termination, cross-connection, and organized routing from both front and rear sides, ideal for data centers and enterprise networks.

Overview A double-sided ODF (Optical Distribution Frame) patch panel is designed to manage large volumes of fiber optic cables efficiently. Unlike standard single-sided patch panels, it provides access from both the front and rear, enabling technicians to terminate, splice, and patch fibers while maintaining optimal cable organization and bend radius control. This design is particularly useful in high-density environments where space optimization and accessibility are critical.

Key Features

- High Port Density:** Supports dozens to hundreds of fiber connections, often accommodating LC, SC, or MPO adapters.
- Double-Sided Access:** Front side typically used for patching to equipment, while the rear side handles incoming trunk or backbone cables.
- Cable Management:** Integrated trays, routing rings, and modular drawers protect fibers, manage slack, and maintain bend radius.
- Rack Compatibility:** Usually designed for standard 19-inch racks, available in 1U, 2U, or larger units.
- Flexibility:** Supports moves, adds, and changes (MACs) without splicing, allowing easy reconfiguration.
- Protection:** Shields fiber cores and pigtailed from physical damage and unauthorized access.

Applications

- Data Centers:** Connects switches, servers, and storage devices while managing high-density fiber backbones.
- Enterprise Networks:** Used in floor IDFs or server rooms to provide organized patching points for network equipment.
- Telecom and FTTx Deployments:** Acts as an intermediate distribution point between OLTs, splitters, and ONTs.

Choosing Between ODF and Standard Patch Panels

- ODF (Double-Sided):** Best for central distribution, high fiber counts, and environments requiring splicing, structured routing, and long-term scalability.
- Standard Patch Panel:** Suitable for localized equipment connections with pre-terminated cables, lower fiber counts, an...

Article Content

ODF Patch Panel

Description: ODF(Optical Distribution Frame) patch panels are designed to provide a high density 19" rack-mountable solution for next-generation fiber networks, it is

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

High Quality 24 Ports Optical Distribution Frame ODF Patch Panel

High Quality 24 Ports Optical Distribution Frame ODF Patch Panel Patch panel is a 19 inch rack mountable panel designed to accommodate virtually any standard snap-in jacks. The kits includes

Best 1U Rack Mount Sliding ODF Patch Panel 24 Ports Fiber Optic Box

1U Rack Mount Sliding Fiber Optic ODF Patch Panel 24 Ports with Stainless Steel Rail 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

Optimizing Data centers with ODFs: Cross-connect

Cross-connect cabling in White spaces Cross-connect cabling in white spaces typically involves mirroring core or spine switch ports on one side

Optical Distribution Frames/Patch Panel

An optical Distribution Frame (ODF) or patch panel is the starting point for optical cables, most commonly found in rack cabinets in Head End (HE)/Central Office (CO)/Point of Presence

Fiber Patch Panel vs ODF (2026 Guide) – Differences & Best Practices

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

Fiber Patch Panel vs ODF (2026 Guide) – Differences

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Ethernet patch panel with double sided with RJ45 ports?

Ethernet patch panel with double sided with RJ45 ports? Hey all, I'm looking for a 1U rack mountable patch panel that has RJ45 jacks on both sides, anyone know of someone who makes this?

Fiber Patch Panel (ODF) and High-Density MPO

In modern optical communication networks, efficient cable organization and signal reliability are critical. The fiber patch panel, also known

ODF vs. Fiber Patch Panel: Key Differences Explained

Discover the key differences between ODF and fiber patch panels to build efficient, scalable, and well-managed fiber optic networks.

ODF Patch Panel

The units are available in two panel sizes both with maximum number and without adapters mounted. It is front serviced and consists of two panels possible to swing out for easy installation and maintenance.

ODF & Patch Panel

Increased patch cord routing space: Supports standard 1.6 and 2.0 mm patch cords. The frame is not only indoor terminal, but also double-sided optical fiber and pigtail equipment.

FlexCore Optical Distribution Frame Ordering Guide FBCB58-SA

Representing less than 5% of a typical IT project investment, high density, performance, and quality are pivotal attributes for an ODF ensuring business continuity 24 hours a day, seven days a week, 365

19 inch Pull Type ODF Optical Patch Panel

The Rack Mount Fiber Optic Patch Panel offers a standardized 19-inch modular design, providing an efficient approach to managing fiber optic

Optical Distribution Frame VS Patch Panel

When we talk about Optical Distribution Frame VS Patch Panel, It seems they are quite different. Learn more about the differences from ODF vs patch panel now.

How to Choose the Optical Fiber Patch Panel/ODF

Optical Fiber Patch Panel or Optical fiber distribution frame (ODF), as an important cable management equipment, is widely used in data centers to store, organize, manage and protect

ODF Module | High Quality ODF Module | Patch Panel | ODU-L21

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

Double Sided Optical Distribution Frame | Optical Fiber

LongXing optical fiber distribution frame GPX09S is made of top quality steel and deformed aluminum alloy and treated with galvanizing, oxidation and

Understanding the Difference Between ODF and Patch Panel

Understanding the distinctions between ODF and patch panel is vital to making informed decisions about your network infrastructure.

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 Fiber Optic Patch Panel, ODF Unit Box Manufacturer/Supplier

ODF fiber optic terminal box manufactured by UnitekFiber Solution is flexible in configuration, simple in installation, easy to maintain, and is an indispensable device for fiber optic communication cable

Fiber Patch Panel vs ODF : What's the Differences

When setting up a fiber optic network, two critical pieces of equipment come into consideration: the fiber patch panel and the optical

Optical Distribution Frame | Corning

Bottom Jumper Management Channels allow routing fibers at the bottom of cabinet-frame row instead of in dedicated overhead cable trays. Front and back doors and side panels are available as

Contact Us

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