

Dimensions of a 48-port ODF fiber optic patch panel



Overview

2U Rack Mount ODF Standard 19-inch 2U rack-mountable fiber optic patch panel with up to 48 LC duplex ports.

Key Takeaways

A standard 48-port fiber optic patch panel typically has a 2U rack height, fits a 19-inch rack, and varies in depth from 150 mm to 250 mm depending on the model. Standard Form Factor

Most 48-port fiber patch panels are designed with a 2U form factor, meaning they occupy two rack units in a standard 19-inch equipment rack . This ensures compatibility with most server racks, network enclosures, and telecom cabinets. The width is standardized at 19 inches (482.6 mm) to align with industry rack standards .

Depth and Construction

The depth of a 48-port patch panel can vary depending on the manufacturer and whether it includes splice trays or cable management features. Typical depths range from 150 mm to 250 mm (5.9–9.8 inches) . Panels are usually constructed from mild steel or aluminum, providing durability, heat resistance, and protection for internal components. Many models are powder-coated in black or RAL 7035 for corrosion resistance and a professional finish .

Additional Features

- **Adapter Compatibility:** Can be preloaded with single-mode or multi-mode fiber adapters (LC, SC, or other types) depending on network requirements .
- **Cable Management:** Includes removable top covers, splice trays, cable glands, and tie points for organized routing .
- **Environmental Tolerance:** Designed to operate in temperatures from -40°C to +75°C, with low insertion loss for both single-mode (≤ 0.2 dB) and multi-mode fibers (≤ 0.3 dB), .
- **Durability:** Plug/unplug cycles rated up to 1000 times for long-term reliability .

Summary

A 48-port fiber optic patch panel is generally 2U high, 19 inches wide, and 150–250 mm deep, constructed for durability and compatibility with standard racks. Depth may vary slightly depending on internal cable management and splice tray configurations, but the height and width remain consistent across most enterprise and data center models .

Article Content

48 Port SC Slide-Out Rack Mount ODF Fiber Optic Patch Panel

Features a slide-out tray for easy access during installation and maintenance, supporting SC fiber adapters for organized and reliable

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

Fiber Optic Patch Panel CAD Drawings

The document discusses fiber optic patch panels and provides details on various types of fiber optic patch panels including their

Indoor Wall Mount Fiber Optic Patch Panels FTBT48 Series

The patch panel is equipped with essential tools, including splice trays, splice sleeves, and spools, to support optical splicing. The

ODF & Patch Panel

Multi-function: Contains the functions of optical fiber terminal distribution, transfer and storage, with the advantage of big capacity,

Fiber Optical Rack Patch Panel 48 ports

Download Datasheet Fiber Optical Distribution Frame ODF - 48 ports SIZE (WxDxH) : 430x300x 3U (mm) Include : Splice Tray @ 4

ODF 24 48 Port SC Optical Distribution Frame Management unit

Description ODF optical distribution frame unit is used for the termination and distribution of backbone optical cable in the fiber

48-port rack mountable fiber optic patch panel with 48 SC Adapter

The 48 port fiber optic patch panel is reliable fiber optic organization and distribution products, convenient for operations and

Fiber Patch Panel Guide

Simplify connections and cable management with our versatile selection of fiber optic patch panels and fiber patch panel adapters.

FTTH Fiber Optic ODF Patch Panel LC 48 Port Core with Adapter

FTTH Fiber Optic ODF Patch Panel LC 48 Port Core With Adapter Description Fiber optic patch panel is an integrated unit for fiber

FTTH Sliding Patch Panel ODF Fiber Optical Distribution Frame 12 24 48 ...

UnitekFiber as a professional fiber optic product supplier, we offer all kind of high quality optical fiber patch panel shelf. UnitekFiber's

48 Port Wall Mount Fiber Enclosure

The 48 port wall mount fiber enclosure supports the deployment of high speed fiber optic networks that can handle current and future

Fiber Optic Patch Panel — Rack Mount ODF | TTI Fiber

A fiber optic patch panel — also called an Optical Distribution Frame (ODF) — is the backbone of any structured fiber cabling

ODF 48-Port LC Fiber Optic Distribution Patch Panel

This unit is a pull-out type. The LC ports, rack mount 19 fibre optic odf/ODF 48 core can all be conveniently pulled out like a drawer.

ODF 1u 19 Inch 48 Core Rack Mount Fiber Optic Patch Panel

ODF 1u 19 Inch 48 Core Rack Mount Fiber Optic Patch Panel, Find Details and Price about Distribution Box and 1u 19" Patch Panel

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

LP-F184DBKYY 48 Port Rack Mounted Optical Distribution

Frame (ODF) Unloaded. The 48 port Optical Distribution Frame (ODF) is designed as a reliable fiber optic organization and

48 port Fiber Patch Panel SC Fixed Type ODF

Designed for network engineers and IT managers who demand reliability, this 48 port Fiber Patch Panel is built to withstand the

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