

288-core dustproof MPO high-density fiber optic distribution frame



AI Overview

A 288-core MPO/MTP high-density fiber optic distribution frame is a modular, rack-mounted patch panel designed for high-density fiber management in data centers, supporting up to 288 fiber terminations in a compact 2U–3U space.

Key Features

- High Density:** Supports up to 288 fiber cores in a 2U or 3U rack space, using 12 modular cassettes with 24 fibers each, maximizing rack space efficiency for large-scale data centers and enterprise networks.
- MPO/MTP Compatibility:** Designed for MPO/MTP multi-fiber solutions, including pre-terminated cassettes, trunk cables, and patch panels, supporting high-speed 40G, 100G, and 400G Ethernet applications.
- Dustproof and Protective Design:** Enclosures are made of high-quality cold-rolled steel with electrostatic spraying or anodized aluminum, providing dust protection and durability while safeguarding fiber connections.
- Modular and Tool-Free Installation:** Modular cassette design allows easy plug-and-play installation without fiber splicing, reducing labor costs and enabling quick deployment.
- Front and Rear Access:** Many models feature front and rear cable management trays to reduce fiber stress, simplify routing, and extend service life.
- Flexible Adapter Support:** Compatible with LC, SC, ST, FC, and MDC adapters, allowing both single-mode and multimode fiber applications.
- Rack Compatibility:** Standard 19-inch rack mount, available in 2U, 3U, or 4U configurations, suitable for high-density wiring in data centers, SANs, FTTx, and enterprise networks.

Applications

- Data Centers:** Facilitates high-bandwidth connections, scalable infrastructure, and efficient fiber management for cloud computing and storage networks.
- Telecommunications:** Ideal for high-density fiber installations in telecom networks, supporting backbone and distribution cabling.
- Enterprise Networks:** Enables organized fiber management in large office buildings...

Article Content

Centrix® System | Corning

The Centrix System is a product family consisting of different frame styles and universal housings/cassettes to enable operators to build a high-density optical

Floor standing optical distribution frame cabinet 288 core

Adopting an integrated pull-out module with fusion, the transfer box has a large capacity and high density. The shell is made of high-quality cold rolled plates, which are lightweight, high-strength,

288 Core MTP/MPO Fiber Optical Patch Panel Rack

Modular in design with higher density, special mini module comes up to 24 LC or 12 SC adapter ports and switch to MTP/MPO connection. 2U capacity come up to

Fiber Optic Patch Panel 3U 4U 19 Inch 288 Cores ODF

The optical fiber patch panel box is a high-density modular optical fiber distribution product, commonly used for fiber termination, fiber fusion splicing, fiber wiring,

Fiber Optic Patch Panel | ODF Optical Distribution Frame (Rack)

Optimize your network management with our high-density Fiber Optic Patch Panels and ODFs. Available in 1U/2U/4U rack mount and wall mount configurations, supporting SC, LC, FC, and ST

QSFP 40G SR4 MPO Breakout Patch Panel 3U | Yingda

3U 288 Cores Vertical MPO breakout patch panel are the auxiliary equipment for data center and high density cabling system, it is large capacity, compact size, and good performance. It is 19 inch

Ultra-High Fiber Count MPO Patch Frame

Capable of handling up to 6912f in Ultra-High Fiber Count MPO Trunks, with configurations of 2 x 3456f trunks, 4 x 1728f trunks, or 8 x 864f trunks Expertly designed to patch an Ultra-High Fiber Count

UHFC MPO Patch Frame Fiber Optic Connectivity | Specs | AFL Global

The UHFC MPO Patch Frame is designed for high density optical fiber interconnection. The upper part of the frame is for cable entry and slack management.

High density Optical Distribution Frame,ODF

Gorelink Fiber Optic Distribution Frame (ODF) is made of high-quality cold-rolled steel sheet and electro-fused paint, it is designed for high-density and installation that require splicing and termination up to

6 Core Fiber Optic Patch Panel

Discover high-quality 6 core fiber optic patch panels, available from \$1.5 to \$100. Ideal for FTTH passive components, purchase from just 1 unit. Suitable for resale and ideal for distributors.

288 Core MTP/MPO Fiber Optical Patch Panel Rack

Product Description Ultra Elite MTP fiber optic patch panels are the highest density modular patch panels are offered by SpringOptic. We can support customer

Fiber Optic Backbone Office Design: 2026 Guide

Fiber Optic Backbone Office Design: 2026 Guide TL;DR: A fiber optic backbone is a high-capacity cabling system connecting a building's main and intermediate distribution frames across

288 Core High Density MPO Fiber System, 2U, 24 ports

Hifiber develops a high density MPO cabling solution with it's constant innovation in the field. The MPO is a standard mini, high density connector, equipped with

Kexint 2u MPO MTP 288 Core Om3 Customizable ODF Fiber Distribution Frame

With pre-populated and tested Fiber Patch Panel save on-site installation time and increase reliability. The housing design allows for easy connection to LC adapters using multi-fiber optical patch cords

UHD 2U 288 Fiber MPO Patch Panel Chassis for 400G/800G AI

The high density MPO patch panel is a one-piece structure for quick deployment and provides both front and rear access for flexible installation and easy cable management, including 12 MPO cassette

FTTH 288 Fibers High Density Fiber Optic Patch Panel

HODF-RS288-2U is a high density fiber optic patch panel that made by high quality cold roll steel material, the surface is with electrostatic powder spraying. It is sliding type 2U height for 19inch

High Density Optical Distribution Frame | ODF | GPX82

LongXing optical fiber distribution frame GPX82-9-2 is made of top quality steel treated with galvanizing, oxidation and electrostatic plastic spraying. The frame

MPO Patch Panel

The MPO fiber optic patch panel stands out as a highly economical and cost-effective solution for high-density fiber applications. Each MPO optical fiber distribution frame and fiber optic patch panel from

Boost Connectivity with Reliable 1u fiber enclosures Solutions for ...

Find advanced 1u fiber enclosures answers for quick and dependable data flow. Use modern technologies to improve connection for flawless communication.

mpo high density fiber optic distribution frame

MPO fiber optic distribution box fiber optic distribution frame provides many functions for our data center room, it can install pre-connected MPO

High Density MPO MTP Fiber Patch Panel 288 Port 4U

288 port 4U high density MPO/MTP fiber patch panel,fully loaded with LC duplex adapter, with transparent front door to protect fibers. UNIFIBER's High Density

2U High Density MPO/MTP® Patch Panel 288F LC

Maximize your fiber density with the 2U High Density MPO/MTP® Patch Panel. Enjoy lightweight strength and superior organization for your data

Fiber Patch Systems

Fiber Patch Cords Uncomplicated, robust and versatile Patch Cords offer superior quality and performance Pigtailed Factory-polished performance with field

Optical Distribution Frame System

Achieve successful cable management, handle high amounts of fiber cable and add density to fiber frames with the new DCX Optical Distribution Frame (ODF)

ODF 288 Cores

Shop our ODF 288 cores products for high-density fiber optic patch panels and cabinets. Ideal for data centers and FTTH networks. Bulk orders welcome.

2U 288 Cores High Density MPO Patch Panel From

2U 288 Cores Sliding Drawer Type MPO Fiber optic patch panel are the auxiliary equipment for data center and high density cabling system, it is large capacity

288 Core 2U Fiber Patch Panel with Modular Cassettes

High-density 2U fiber patch panel with 288 cores and modular cassettes. Ideal for scalable, organized data center fiber management.

FM12M3 High Density MPO Modular Fiber Patch Panel

The MPO pre terminated/fused dual function distribution box provided by OTRANS supports a maximum installation density of 288 cores in 3U. Suitable for various

FlexCore Optical Distribution Frame Ordering Guide FBCB58-SA

What is at your core? Optical distribution frames (ODFs) are an all-important network element at the heart of a fiber network. Representing less than 5% of a typical IT project investment, high density,

Contact Us

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