Huawei ODF fiber optic equipment

Overview

Optical distribution frame (ODF) Optical distribution frame (ODF) The FIU2117/FTU2114 can be installed in 19 inch or 21 inch integrated cabinets with depth.

Key Takeaways

Huawei ODFs are high-density optical distribution frames designed for efficient fiber management, protection, and network scalability in telecom and data center environments.

Overview

Huawei Optical Distribution Frames (ODFs) serve as the central hub for fiber splicing, termination, patching, and cable protection in modern optical networks, ensuring structured management and scalability for dense fiber deployments. They are essential for telecom operators, data centers, and enterprise networks, providing organized routing, stress relief, and bend-radius compliance for optical fibers.

Key Models and Specifications

Huawei offers a range of ODF models, including the FIU2117/FTU2114 series and the ODF-24-SC-E2000-Duplex LC: FIU2117/FTU2114 Series: Can be installed in 19-inch or 21-inch cabinets with a depth of ≥300 mm. These models support fiber termination and integrated splicing, with variants such as FIU2117-48-SC/APC, FTU2114-48-SC/APC, FIU2117-96-4LC/APC, and FTU2114-96-4LC/APC. ODF-24-SC-E2000-Duplex LC: An empty chassis designed for high-density fiber management, supporting 24 SC ports.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

It organizes and protects fiber connections, reduces signal loss, and enhances network performance. Features and BenefitsHigh-Density Fiber Management: Supports multiple fiber terminations and splicing in a compact frame, suitable for growing network demands. Cable Protection: Ensures proper routing, bend-radius compliance, and stress relief to prevent fiber damage.

Scalability: Modular design allows easy expansion and integration with existing optical networks. Compatibility: Works with Huawei's optical transmission systems and supports various connector types (SC, LC, E2000) for flexible deployment. Enhanced Network Performance: By organizing fiber connections efficiently, Huawei ODFs reduce signal loss and improve overall network reliability.

Support and Documentation

Huawei provides comprehensive support guides, manuals, datasheets, and digital tools for ODF products, including installation instructions, troubleshooting insights, and product lifecycle information. Users can access these resources through Huawei's official support portal for detailed technical guidance.

Applications

Huawei OD

Fs are widely used in: Telecom networks for structured fiber management and splicing. Data centers to support high-density fiber connections and scalable network architecture. Enterprise networks and smart-building infrastructures requiring organized optical cabling and future-proof expansion.

Huawei OD

Fs combine robust design, high-density capacity, and compatibility with advanced optical systems, making them a reliable choice for modern fiber optic network deployments.

Article Content

Optical distribution frame (ODF)

Optical distribution frame (ODF) The FIU2117/FTU2114 can be installed in 19 inch or 21 inch integrated cabinets with depth greater than or equal to 300 mm to implement fiber termination, or integrated

Maximizing Efficiency with Huawei Optical Distribution ...

The Huawei GFO480 Optical Distribution Frame (ODF) is a high-capacity solution designed for efficient cable management and organization in modern telecommunications networks.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

ODF Explained: Types, Architecture, Management

A complete engineering guide to Optical Distribution Frames (ODF): types, components, fiber capacity planning, MPO/MTP compatibility, protection features.

ODF2101-CH2

The Huawei ODF2101-CH2 is a robust and reliable optical distribution frame designed for indoor floor installations. With its impressive 43U capacity and durable steel sheet construction, it caters to a

GPX147-R2

Constructed from cold-rolled steel with IP20 protection, it offers reliable cable management, top and bottom cable entry, grounding, and secure access via key lock, making it ideal for distributors,

Huawei ODN Products Series Brochure | PDF | Fiber To

The ODF (Optical-fiber Distribution Frame) is used for connection and patching of optical cables, mainly used as the interface between optical transmission

Huawei ODF

Shop our collection of Huawei ODF products, including smartax cabinets and fiber terminal boxes. High-quality, durable, and reliable for your fiber optic needs.

Huawei ODN Products Series Brochure PDF | PDF

Splitter, which is a branched of passive fiber, is a passive equipment to connect optical line terminal and optical network unit, its function is to distribute down-link

FTTH Solution

With the rapid growth of bandwidth-hungry services such as 4K, 8K, VR, and HD video, the fiber to the home (FTTH) industry has attracted wide attention from operators, and is now in a period of

Comprehensive Engineering Guide to the 12-SC Fiber ODF

Mitigating Optical Loss and Ensuring Link Uptime The deployment of a 12-SC Fiber ODF Distribution Box is not merely a mechanical exercise; it is a critical step in preserving the optical

LC Fiber Optics: Guide to LC Connectors, ULL Cables, MPO 2026

A guide to LC fiber optics. Learn LC connector geometry, UPC/APC polish types, ULL patch cords, MPO–LC transitions, high-density cassettesa, duplex optics

What Is an All-Optical Ethernet Switch?

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for building an all-optical campus network. They can function as

Telecom Equipment Market Size, Share, Trends & Forecast 2034

Huawei''s broad variety, inventions, and remarkable international presence, they dominate the telecom equipment industry. Huawei is one of the largest telecom equipment manufacturers which supplies

Huawei HG8145V5

4GE+1POTS+USB+WIFI Fiber Optical XPON H_W Hg8145v5 ONU HG8145V5 HG8546M EG8141A5 HG8010H $100-120 MOQ: 1 piece Nantong Jiufu Communication Equipment Co., Ltd.

Fiber Optic Transceiver at | Transceiver Module in New Delhi | ID ...

A fiber optic transceiver is a hot-pluggable hardware module that converts electrical network data into light pulses (transmit) and incoming optical signals back into electrical data (receive). It bridges

How to Choose the Right Fiber Optic Cable for Your Optical

Learn how to choose the right fiber optic cable for SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP optical transceivers. Avoid common fiber compatibility mistakes and improve

Huijue Drop Cable 2-Core Multi Mode/Single Mode Optical Fiber CE ...

Stripping Performance Easy-Strip Jacket, No Fiber Damage, Suitable for Rapid Wiring FTTH Compatibility Fit FTTH Termination Boxes, Compatible with Huawei/ZTE ODN Equipment Show

Fiber Ftth Gpon Osp ISP Jobs

Fiber Ftth Gpon Osp ISP Jobs Telecom Field Technician - FTTH or GPON or Fiber Optics or OSP eMinds 1 - 6 Years Dubai, Abu Dhabi, Sharjah - United Arab Emirates (UAE) Responsible for

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved