

Features of a 24-Port Fiber Optic Distribution Frame

Article Overview

A 24-port fiber optic distribution frame (ODF) provides organized fiber management with 24 front-panel ports, compatible with various adapters, and features durable rack-mounted construction for easy installation and maintenance.

General Overview

A 24-port ODF is designed for fiber termination, distribution, and management in networks such as FTTH, LAN, CATV, and data centers. It allows fusion splicing and patching in the same panel, providing convenient cable management and maintenance supervision .

Physical and Structural Specifications

- Rack Mounting: Standard 19-inch rack compatibility, typically 1U height for 24 splices .
- Material: Cold-rolled steel housing with rust-resistant and durable finish; surface often treated with electrostatic spraying for protection .
- Front Panel: Equipped with 24 ports, supporting adapters such as SC, LC, FC, and ST .
- Splice Trays: Pull-out or sliding trays for easy fiber routing, splicing, and maintenance; can accommodate ribbon and common fiber cables .
- Cover: Front-opening cover for easy access, sometimes with grounding provisions for high-voltage protection .

Fiber and Adapter Compatibility

- Supports multimode fibers (OM1/OM2) and single-mode fibers depending on configuration .
- Compatible with SC, LC, FC, and ST adapters, allowing flexible network deployment .
- Includes pigtails and couplers for plug-and-play installation in some models .

Electrical and Environmental Features

- Designed to withstand environmental temperatures typically ranging from -40°C to +70°C



Article Content

Mar 04, 2026

BISMON 24 Port Fiber Optic Distribution Frame SC Port ODF

Product Description The ODF rack mount fiber optic enclosure is designed to provide a distribution point to feed a high capacity of

Jan 12, 2026

1u-24-Port Rack Mount Fiber Optic Distribution Frame (terminal box ...

Features: Suitable for 19",1U standard optic distribution Cabinets 1X4, 1X8, 1X12, 1X24 splitter can be loaded

Oct 30, 2025

Guide to Optical Distribution Frames (ODFs)

Learn about Optical Distribution Frames (ODFs) - their structure, functions, and benefits in

Dec 24, 2025

Fiber Distribution | Fiber Distribution Architecture | Corning

Fiber distribution hardware manages each fiber and connection point that is associated with active

Feb 25, 2026

1u-24-Port Rack Mount Fiber Optic Distribution Frame (terminal box ...

1u-24-Port Rack Mount Fiber Optic Distribution Frame (terminal box) Dual LC Type, Find Details and Price about

Apr 18, 2026

Optical Fiber Distribution Frame

ODF fiber distribution frame is mainly divided into 24 core, 36 core, 48 core, 72 core, 96 core. The components include shell, support

Feb 20, 2026

Optical Distribution Frame,24 Port Fiber Optic ODF

The 24 port fiber optic ODF unit is the convenient cable management for fiber connections, supervising and maintenance. The front

Jul 20, 2026

24 Port Optical Distribution Frame ODF

24 Port Optical Distribution Frame ODF, Excellent cost control, far exceeding the sales volume of peers, this is a product loved by

Jan 29, 2026

ProLink Fiber Distribution Frame Sliding 24 Port

It is made of a 1U 19" cold-roll steel box, with a plastic splice Tray inside, suitable for pigtail, ribbon and

Mar 08, 2026

24port Wall Mount Fiber Optic Distribution Box

Wall-mount Fiber Optic Distribution Box/ Frame 24port Indoor. Model : FPW-WB2D
Indoor Wall-mount Fiber Optic Distribution Frame

May 04, 2026

LC 24-Port ODF Fiber Optic Distribution Box Optical odf

The optical distribution frame can be installed on the existing wiring rack. This unit is used for storage, connection, management of

Jul 31, 2025

Fiber Distribution Frame Blank 24 Core

DIGISOL Optical Distribution Frame provides cable interconnections between communication facilities that can integrate fiber

May 13, 2026

ODF 24 48 Port SC Optical Distribution Frame Management unit

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

Jan 03, 2026

Basic of Optical Distribution Frame (ODF)

Various optical distribution frames (ODF) are being widely used to connector and schedule

Jun 17, 2026

ProLink Fiber Distribution Frame Sliding 24 Port

Features Standard size, lightweight and reasonable structure. Slide-out drawer for easy cable management. FC, SC, ST, LC adapter

Apr 26, 2026

optical fiber distribution frame ODF rack mount 12 24 48

Product Description optical fiber distribution frame ODF rack mount 12 24 48 96 144
core port ODF Rack

Nov 26, 2025

Optical Distribution Frame

Optical distribution frame is a fiber optic management unit used to organize the fiber
optic cable connections. Optical distribution

Mar 23, 2026

ODF-E-24 2U optical distribution frame 24 Cores -AOA Tech

24 Cores Optical Distribution Frame Overview Fiber Management Tray also called
ODF Distribution Box, Integrated Splicing and

Feb 27, 2026

The Complete Guide to Optical Distribution Frames

A complete engineering guide to Optical Distribution Frames (ODF): types,
components, fiber capacity

Aug 24, 2025

Fiberhome ODF Fiber Optic Distribution Frame 24 Core FC Single

Buy FiberHome ODF 24-Core FC Single-Mode Optical Distribution Frame. Fully
matched, 24-port fiber management solution ideal

Feb 05, 2026

Optical Fiber Distribution Frame, Terminal Box, Distribution Box, ODF ...

Optical Fiber Distribution Frame, Terminal Box, Distribution Box, ODF Distribution
Frame The actual distribution frame is similar, and

Mar 27, 2026

Optical ODF 24-Port ODF Fiber Optic Distribution Box 24 Core

Drawer Type Fiber Patch Panel Optical Distribution Frame ODF 24 LC SC Cores
DESCRIPTION It is made of 1U/2U

Sep 20, 2025

Fiber Optic Patch Panel | ODF Optical Distribution Frame (Rack

Our range of optical distribution units is designed to facilitate the termination, protection, and management of fiber optic cables.

Mar 05, 2026

24 Ports Main Distribution Frame

24 ports main distribution frame is essential for secure network connections. Our optical distribution frames are designed for high

Nov 24, 2025

ODF 24 Core Fiber Optic Distribution Frame

ODF 24 Core is a high-density fiber optic distribution frame designed to meet the ever-increasing demands of today's network

Dec 21, 2025

ODF 24 48 Port SC Optical Distribution Frame Unit

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

Nov 16, 2025

Optical Distribution Frame (ODF)

Optical Distribution Frame (ODF) - 24 Port Patch Panel for Fiber Optic Connection Termination

Jan 24, 2026

Fiber Optical Distribution Frame | 24 Port ODF | MJADOM

RGP-ODF-RF24A Series Rack-Mount Fiber Optic Distribution Unit also called Fiber Optical Distribution Frame or Fiber Distribution

Jul 27, 2025

FTTH 24 Port Outdoor Wall Mount Fiber Optic

Product Description Outdoor wall type fiber optic distribution frame is mainly used for connecting the

Jun 23, 2026

24 Core ODF

24 Core ODF Optical Distribution Frame (ODF) is a device used in fiber-optic telecommunications

May 27, 2026

AMPCOM 24-Port Optical Distribution Frame (ODF),

The AMPCOM Optical Distribution Frame supports flexible configurations from 12 to 144 ports, equipped

Feb 25, 2026

OPTICAL FIBER DISTRIBUTION FRAME

NORDEN Fibre optic distribution frame is a high-capacity, high-density fibre distribution frame, suitable for the composition and

Dec 07, 2025

ODF: Optical Distribution Frame

ODF, or Optical Distribution Frame, is a high-capacity, high-density frame used for fiber optic cable connection, distribution, dispatch,

Jul 01, 2026

LP-F194BBKXX 24 Port Rack Mounted Optical Distribution Frame

The 24 port Optical Distribution Frame (ODF) is designed as a reliable fiber optic organization and distribution product, it is of the

May 11, 2026

ProLink ODF24 Fiber Distribution Frame | PDF

It supports SC simplex or LC duplex connectivity and features a front access panel for easy operation. Suitable for

Jun 23, 2026

ProLink Fiber Distribution Frame Sliding 24 Port

Yes, the ProLink Fiber Distribution Frame Sliding 24 Port is ideal for large-scale networks due to its 24-port capacity, durable

Jul 25, 2025

Optical Distribution Frame (ODF) in Telecom: Types & Uses

An Optical Distribution Frame (ODF) is a specialized enclosure designed to manage, connect, protect, and distribute

Oct 15, 2025

SJ-ODF-24 ODF 24 Core, 24 Port ODF

SJ-ODF-24 ODF 24 core, 24 port ODF is designed to deliver power to multiple appliances. The system ensures better connection

Contact Us

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