

What are the specifications of a 576 optical distribution box



AI Overview

A 576-port optical distribution box typically supports high-density fiber distribution with modular, pad-mountable, weather-resistant design, accommodating both LC and SC connectors and allowing flexible network expansion.

General Overview

A 576-port Optical Distribution Box (ODF/FDH) is designed for high-density fiber distribution in outdoor or outside plant (OSP) environments. These cabinets are suitable for FTTx networks, Multi-Dwelling Units (MDU), and Single-Family Units (SFU), providing secure, weather-tight housing for fiber interconnections and splicing.

Fiber Capacity and Connectors

Distribution Ports: 576 fiber adapters for subscriber connections

Feeder/Pass-Through Ports: Typically 48 feed or pass-through adapters

Connector Types: Supports LC/APC or SC/APC connectors, depending on the model

Splice Capacity: Can store up to 576 splices, with modular options for expansion

Modularity and Expansion

Stackable Design: Some models, like Corning OptiText® HD, allow stacking of 288- or 576-fiber cabinets to defer capital investment until network growth requires more ports

Modular Cassettes: Supports field-installable SC APC or LC APC cassettes, enabling flexible feeder-to-distribution ratios and cross-connect configurations

Splitter Compatibility: Compatible with LS Series splitters or multiple splitter modules for incremental growth

Physical and Environmental Features

Mounting Options: Pad-mountable or vault installation; some models include an 8-inch riser for pad mounting

Construction: Powder-coated aluminum or durable weather-resistant materials for outdoor use

Access: Dual front and rear doors with quarter-turn locks and padlock hasps for security

Grounding: Equipped with grounding bus bars and multiple grounding studs

Installation: Designed for quick deployment, often installable by a single technician

Network Applications

Use Cases...

Article Content

ODC-576A Fiber Distribution Terminal FDT/OCC/ODC

The optical cross-connection Cabinet short for OCC, or some other place call it Optical Distribution Cabinet (ODC) or Fiber Distribution Terminal (FDT), is a device designed for indoor/outdoor cable

Floor Type 576 Core Outdoor Fiber Distribution Hub

SMC Distribution Box for FTTx Solutions offers 576 core, 576 port Outdoor FDT ODF optical fiber cable terminal distribution. Perfect for FTTH, FTTB, FTTX networks. | Alibaba

Wall-mounted distribution box

Wall Box for 576 subscribers. Separate top cover with a lock and gas springs provides convenient access to hinged splice trays, while the bottom cover ensures easy access to patch panels and splitters.

Fiber Distribution Terminal 576□Splitter Type□

This FDT is used for connecting, allocation and dispatching of communication optical cables to each optical distribution node, providing safe, reliable and flexible management equipment of optical fiber

Optical distribution frames and patch panels

3U high-density fiber optic patch panel Fixed type 3U for 19" rack-mounted applications, this high density, electrostatic powder sprayed fiber optic patch panel supports 12 MTP cassettes to connect

576 Cores Optical Distribution Cabinet, FTTH Cabinet

Overview YFDC-576B Fiber Distribution Cabinet, also known as Optical Distribution Cabinet, Fiber Distribution Hub, has a variety of functions including leading optical cables, fixing and protecting,

576 Fiber Distribution Hub, 576 Fiber Distribution Cabinet

Overview YFDC-576C Fiber Distribution Cabinet, also known as Fiber Distribution Hub, FTTH Cabinet, has a variety of functions including leading optical cables, fixing and protecting, splicing and

AECTS00000000000000 | OptiText® HD Series Cabinet 576 F,

The OptiText HD series is now complete by offering a 288- and 576-fiber count option. The smaller fiber count offerings allow for smaller networks to utilize the high-density cabinet while continuing to focus

720 core odf fiber distribution hub FTTX 576 Cores d

An Optical Distribution Frame (ODF) is a frame used to provide cable interconnections between communication facilities, which can integrate fiber splicing, fiber termination, fiber optic adapters &

OPTICAL FIBER DISTRIBUTION FRAMES (ODF) AR-RODF-SO Series

CATALOGUE OF PICTURES Picture 5-1 Appearance of AR-RODF-SO series Optical Fibre Distribution Frames (ODF) Picture 5-2 Structure and dimensions of AR-RODF-SO series ODF (2.2 meter rack as

ODF Optical Distribution Frame Spec Sheet

In many cases, the ODF racks will be deployed in small POP buildings alongside EQF frames where transmission equipment is mounted. These ODF's then provide the necessary connection from the

Fiber Distribution Hub Cabinet | 576 Port FDH

The 576 port FDH is ideal for vault and pad mount applications. Westell's Fiber Distribution Hub (FDH) cabinet series provides a unique solution for fiber

576 cores Indoor Distribution Frame

Optic Distribution Frame can be used in the termination and distribution of partial trunk optical cable in optical cable communication system, easy to realize connection, distribution and adjustment. Fully

ODC-576B SMC Optical Distribution Cabinet

Tarluz provides full line of OCC from 96 core, 144 cores, 288 cores, 576 cores to 1152 cores; the material could be using high strength SMC or stainless steel, which makes it waterproof, dust proof

576 Cores Fiber Optical Connect Cabinet

The integrated optical fiber fusion module integrates adapter mounting, welding, and fiber storage. The adapter is designed to be snap-in and compatible with many different types of adapters such as

576 Core Steel Single Door Outdoor Fiber Distribution Cabinet

High quality 576 Core Steel Single Door Outdoor Fiber Distribution Cabinet from China, China's leading product market Fiber Optic Management System product market, With strict quality control Fiber

OptiText™ Advantage Fiber Distribution Hub 576-fiber Capaci

1. GENERAL The 576-fiber capacity Fiber Distribution Hub (FDH) functions as an interface between the telecommunication provider's network and individual customer connections. The cabinet provides

Fiber Distribution Hub | Fiber Optic Cabinet | Multilink

Splice Hub™ 576/1152 Fiber Distribution Box With a standard fiber capacity of 576 with options for expansion, the Splice Hub™ 576/864 offers an even higher fiber capacity option than the 288/576.

FTTH 576 core optical fiber cabinet SMC Optical Fiber Distribution ...

FTTH 576 core optical fiber cabinet SMC Optical Fiber Distribution cabinet 576 ODF cabinet outdoor Waterproof IP65. Made of SMC material, waterproof and corrosion resistant, support SC/FC/LC/ST

576/720 Cores Optical Fiber ODF

This document describes an indoor FTTH rack mounted optical fiber distribution frame. It can integrate fiber splicing, termination, adapters and connectors in a single unit to provide cable interconnections

ODF-576B Optical Distribution Frame 576 Core 48 Tray Chassis

A: Our main product ranges Fusion Splicer, SFP+ Modules, GE-PON OLT, GE-PON XPON ONU, with good quality and factory direct price. Q2. Can I customized the products?

A: some products are

576 Fiber Distribution Hub, 576 Fiber Distribution Cabinet

It is widely used to handle fiber optic cross connections and to accommodate passive optical splitters in PON FTTX networks, but can also be used for cross splicing applications or combinations of both.

SJ-ODF-04 576 Fibers ODF Cabinet

The fiber optic distribution frame is designed to distribute, transmit and route optical signals within the network it runs. These frames are offered in various types such as the modular frames and slide-in

FD5M-576S00DDB5

FDH5000 cabinet with 576 ports, LC/APC, no splitters, dry dielectric flat ribbon, 100 ft stub, 144F feeder, 288F distribution, pad mount with 8 in riser.

576 FDH Fiber Optic Junction Box, IP65 Outdoor Optical Cross ...

Quality Fiber Optic Distribution Box manufacturers & exporter - buy 576 FDH Fiber Optic Junction Box, IP65 Outdoor Optical Cross Connection Cabinet from China manufacturer.

AECTS00000000000000 | OptiText® HD Series Cabinet 576 F,

AECTS00000000000000 OptiText® HD Series Cabinet 576 F, almond, medium, pad-mount, 10 in skirt Typically ships in 28 day (s) Actual lead time confirmed upon receipt of order.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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