

Application

The outdoor Patching on Demand Fiber Distribution Terminal (POD-FDT) cabinet for up to 288 end users is designed to handle fiber optic terminations. It is also for Point to Point (P2P). The Patching-FDT is used as a demarcation point between the feeder network and the distribution network and provides quick and easy incremental installation of distribution cable. This cabinet can handle both air-blown fiber in micro ducts, micro cables as well as drop cables and other fiber optic cables.

The Patching-FDT is intended for outdoor installations but can also be mounted indoors, floor standing e.g. for use in a basement of a Multi Dwelling Unit.



Design

This cabinet is designed with management for easy handling and identification of output fibers inside the cabinets. This excludes the need for external manholes and splice boxes and therefore reduces installation time and installation cost. In addition to easy cable installation, the cabinet is designed for installation cross connections which enables better consumer connection management and additional cost savings. The product is equipped with a distribution panels for up to 288 end-user connections and up to 288 feeder cable, bypass and spare feeder terminations.

The cabinet is equipped with heavy duty lockable front doors with hexagonal key lock. The feeder cable and distribution cable management and routing is also provided with self-protecting rubber to retain the cabinet IP rating after installation as well.

Features

For PON and P2P applications

In-cabinet splicing, no splicing in manhole

Up to 288 terminated patching on demand drops

Up to 39 input and 24 output positions for cable entries

IP 55 rated Metallic Outer body

288 Port - Patching Fiber Distribution Terminal

Material

The housing is made of GI steel powder coated that provides excellent mechanical strength at a very low weight in combination with highest corrosion resistance. Other metallic parts such as screws, micro duct and cable holders etc. are made of stainless steel. The door gaskets are of EPDM material. Fiber adapter trays are of plastic. All materials are very high in quality.

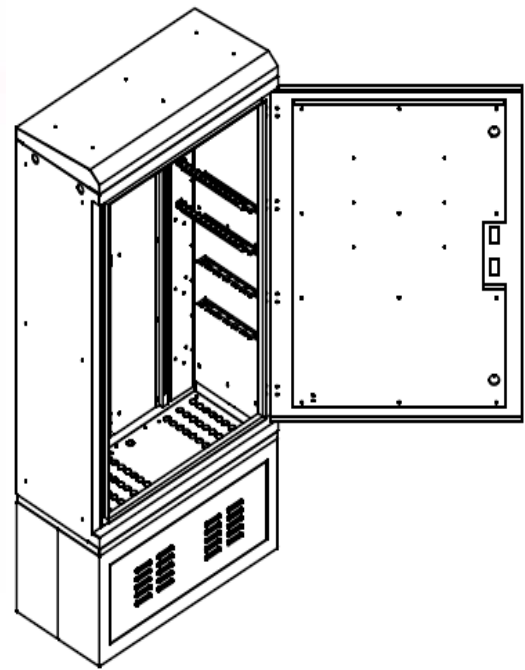
Weight, Size and Color

Weight: 130 kg (approx.)

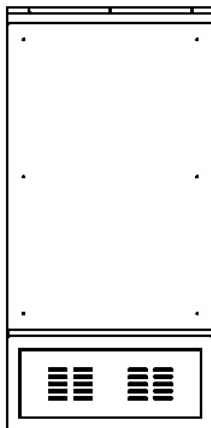
Dimensions (HxWxD): 1551mm X 750mm X 350mm

Color: Light grey (RAL 7035)

*Height including base.



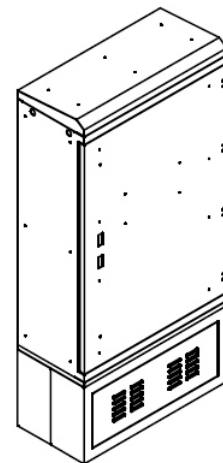
REAR VIEW



SIDE VIEW



ISOMETRIC VIEW

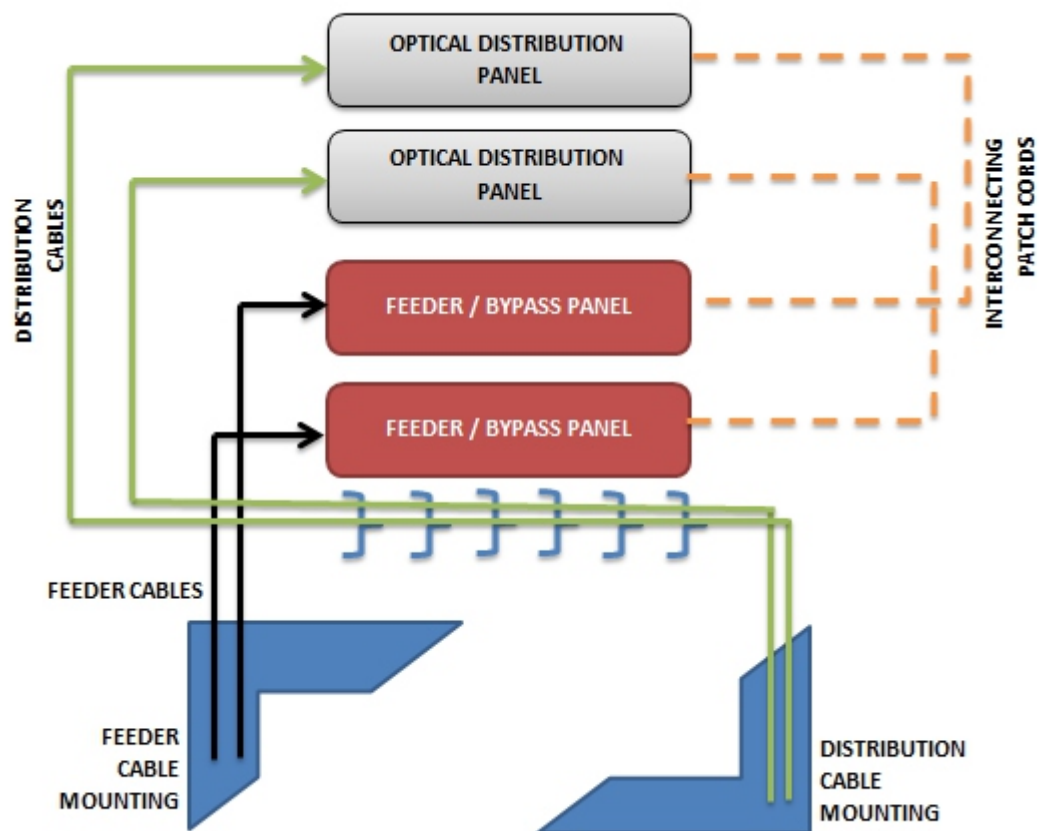


Configuration

A standard configuration of Patching on demand FDT, the main components are as follows:

- Feeder/ Bypass Panel
- Optical Distribution Panels

Pigtails splice sleeves, protection tubes etc are optional accessories available with the cabinet.



288 Port - Patching Fiber Distribution Terminal

Optical Characteristics

ODF Pigtails :

Parameters

Insertion Loss
Return Loss
Operating Temperature
Fiber / Pigtail Standard
Connector /Adapter Standard

Specifications

Maximum 0.30 dB Typical: 0.15 ~ 0.20 dB.
Minimum 60 dB for APC
- 10 ° C to + 75° C
Fiber SM ITUT –G657A1 , Pigtail Ø 0.9 mm
EIA / TIA and IEC Compliance



Product Categorization

Model No	Maximum Capacity	Loaded Capacity	Adapter Type	Dimensions with Base (H x W x D) mm
ATC-Patching-FDT-288-Ports	288	288	* LC/APC	1551 x 750 x 360

*ATC standard Adapter is offered as LC/APC or as customer specified.