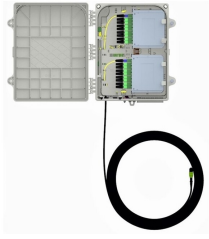


FLX-ODN

Base Product



FTTX ODN Plug and Play Fiber Access Terminal

Conventionally FTTH ODN is build using old splicing method; where fiber allocation, splicing, data upkeep was a tedious task and demanded skilled manpower to plan, implement and maintain network. The need to eliminate the splicing to save on cost, time and skilled manpower as well as the need for speed of deployment lead to innovative Plug and Play, flexible, modular, pre-connectorised FLX ODN solution.

The FLX ODN solution is implemented by using various components. FLX ODN Fiber Access Terminal is a basic building block to host Secondary - Level two - S2 splitter. The FLX ODN Fiber Access Terminal (FAT) is engineered with a three-layer structure, featuring a tray (Upper and lower layer) and body (Third layer). The body of the FAT is designed to handle the incoming cable and drop cables in vertically separated sections, reducing clutter while installation and making it easy to manage during O&M activities. This design effectively mitigates potential service disruptions during installation and maintenance activities.

The FLX ODN FAT serves as an enclosure for Level 2 (S2) splitter within the FTTX ODN architecture, facilitating connections between the Level 1 (S1) splitter and end-user connections. Its modular design accommodates various splitter capacities, including 2 x 1:8 LGX cassettes or 2 x 1:8 pre-connectorised or 1 x 1:16 pre-connectorized PLC tube-type splitters, making it adaptable for deployment in both high-density and low-density areas. An additional plate with 18 ports can be mounted on top of the tray for pre-connectorised PLC splitter deployment optionally.

This enclosure is meticulously designed to house MPO and SC adaptors and connectors of the FLX Plug and play Cable terminations and various modules making the solution flexible, modular and expandable. The adaptor plates allows secure connections and link monitoring activities.

The FLX ODN FAT supports 12F input optical fiber cables with diameters ranging from 6 mm to 12 mm using the midspan port. It also has an additional branching port supporting 6 mm to 12 mm. Additionally, it provides 16 ports designed for 2 mm x 3 mm flat drop cables and 5 mm to 6 mm round drop cables. The diameter of the ports is suitable for using pre-connectorised drop cable too. This versatile enclosure is compatible with various cable constructions and offers a distributed splicing capacity: 12 splices on the body, 24 under the tray. This design facilitates separate handling of loose tube, 900-micron and 250-micron fibers in case required.

The FLX ODN FAT is suitable for both indoor and outdoor installations and can be mounted on walls or poles using appropriate accessories, making it an ideal choice for service providers seeking reliable and efficient fiber distribution solutions.

FLX ODN FAT supports multiple configuration of the cable arrangements for dropping 1F or 2F for S2 splitters connection, referred as 1F1R or 2F2R tail cables, supporting low density or high density application. The innovative coexistence of FTTx and allied network construction is facilitated by the inclusion of extra fibres in the distribution cable tails. In addition, flexible internal fiber modules for the FAT allow for network growth and enhance the utilisation of the distribution network (e.g. forward, reverse, branching, loopback).

Product Classification

Regional Availability	Asia Australia/New Zealand India
Product Type	Fiber access box
Product Series	FLX-ODN

FLX-ODN

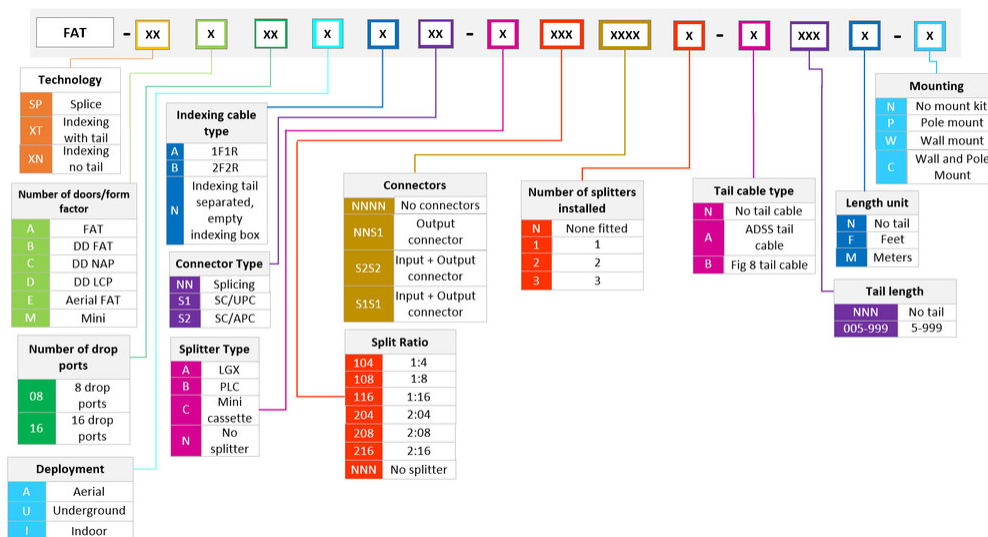
General Specifications

Cable Capacity, Input	2 Round 10–12 mm (0.39–0.47 in)
Cable Capacity, Drop	16 Flat 2 x 3 mm (0.08 - 0.12 in) 16 Round 5-6 mm (0.20 - 0.24 in)
Cable Sealing Type	Compressed rubber
Drop Port, quantity	16
Enclosure Color	Gray
Front Cover Type	Hinged with lock
Lock Type	Key lock, special
Mounting	Wall/Pole Mount
Splice Tray Included, quantity	1
Splicing Capacity, maximum	24
Splitter Format, compatible	LGX cassette PLC tube
Splitter Type	1 x 16 1 x 8
Splitter, quantity	2

Dimensions

Height	310 mm 12.205 in
Width	250 mm 9.843 in
Depth	96 mm 3.78 in
Cable Length Range, stub (m)	5 – 999

Ordering Tree



FLX-ODN

Representative Image



Forward Feed SC



MPO F Reverse Feed SC

MPO M

Material Specifications

Enclosure Material Type ABS

Optical Specifications

Fiber Type G.652.D | G.657.A1/A2

Attenuation Cable Coefficient, maximum 0.30 dB/km @ 1550 nm | 0.40 dB/km @ 1310 nm

Environmental Specifications

Operating Temperature 0 °C to +65 °C (+32 °F to +149 °F)

Storage Temperature 0 °C to +65 °C (+32 °F to +149 °F)

Environmental Space Indoor/Outdoor

FLX-ODN

Flammability Rating	UL 94 V-1
Qualification Standards	IP65
UV Resistance	UV stabilized

Packaging and Weights

Included	Accessory kit
Packaging quantity	1
Packaging Type	Box
Weight, net	1 kg 2.205 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted