

# SPECIFICATION

## FTTX PRE-CONNECTORIZED TERMINAL BOX PTB-8M



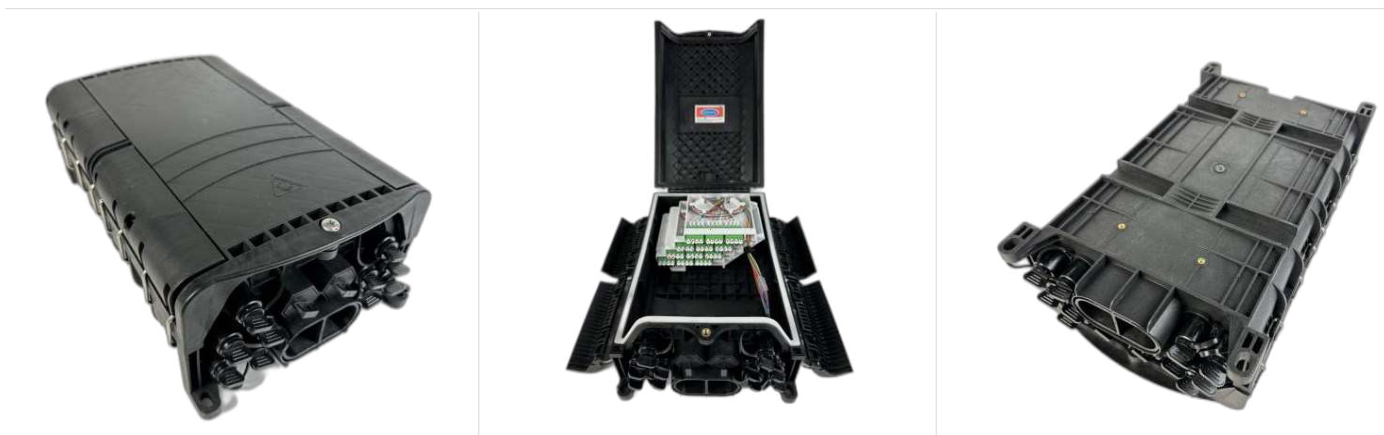
## Description

It consists of 2/4x optical cable inlet and 8x outlet PORTS, some Splice trays, a tissue system with optical fiber splicing tray and 8pcs bayonet type enhanced pre-connectorized waterproof Mini MPO adapters, which can be accessed and connected from the outside of the box.

The box is used as a termination point for the feeder cable to connect with drop cable in FTTx network system. The fiber splicing, splitting, and distribution can be done in this box, and to form the optical interconnection point between these networks and the distributed network. It allow the connection to a single optical plug in the customer's home on demand. and meanwhile it provides solid protection and management for the FTTx network building.

The closed box is completely sealed and weatherproof, so it can be installed outside and inside the exterior wall, wall, roof, basement, garage, yard, wardrobe, column or building installed on the messenger.

## Specification:



Model No.	PTB-8M	Color	Black
Input Cable PORTS	4x Blank Sealing	Output Adapters	8x Mini MPO waterproof adapter 2x Mini SCAPC waterproof adapter
Material	Plastic :PP+GF;Metal: SUS304	Dimension(L*W*D,)	355*215*132
Adapter insertion loss	Mini SCAPC<0.2dB Mini MPO<0.35dB	Suitable cables	MPO-LC 12F fanout 0.9mm
Flame retardant performance	Non-flame retardant	Protection Level	IP68 Indoor/Outdoor
Installation Method	Pole/wall-mounting, aerial cable-mounting	Impact resistance rating	IK10
Application scenario	Overground, underground, man-hole/hand hole	Sealing mode	Mechanical

### Standard blank Sealing Plug



Standard:4x Blank Sealing Plug

### Optional input ports

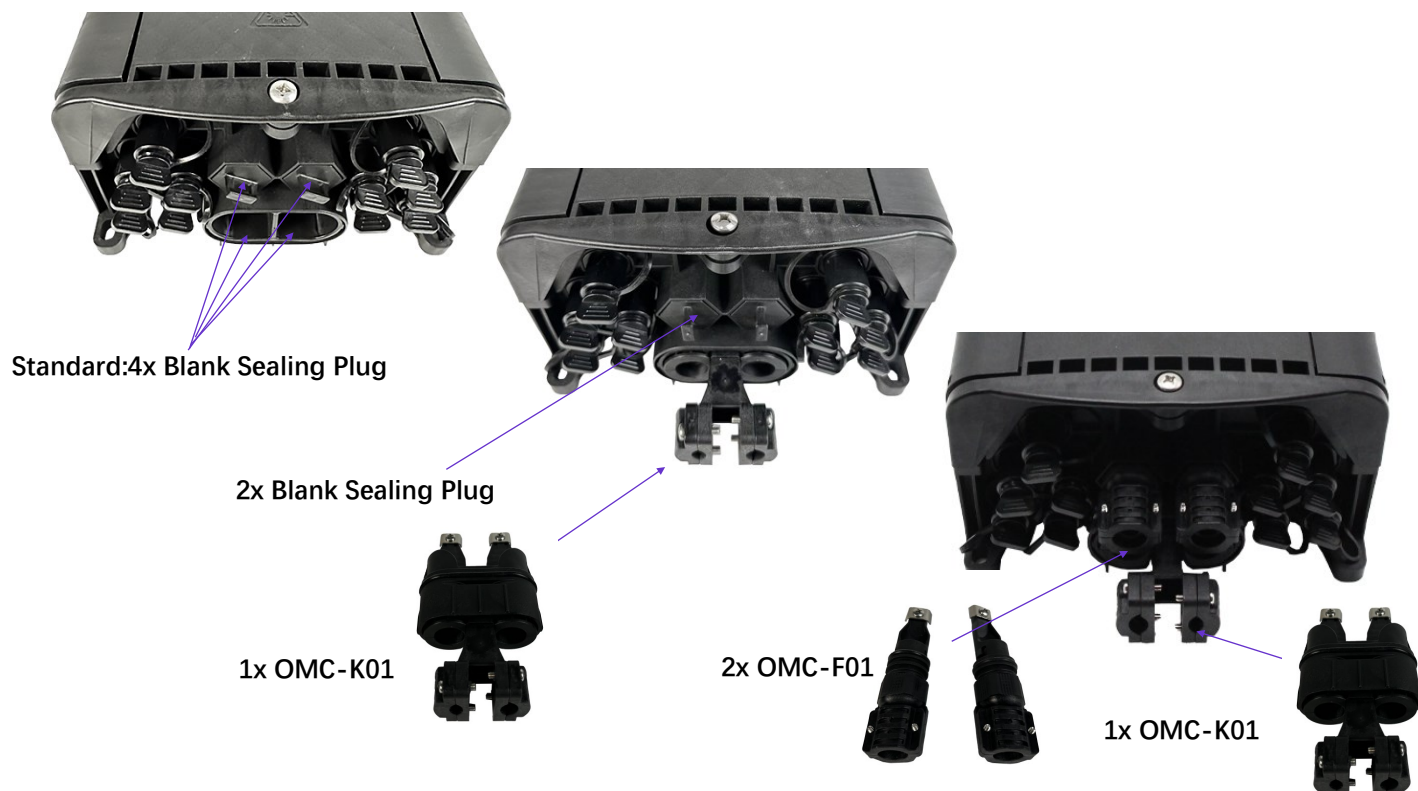


1x OMC-K01



2x OMC-F01

## Input ports details



Quickly install, fix and seal the direct-through optical cable.

## Pre-connectorized waterproof SCAPC adapters Details

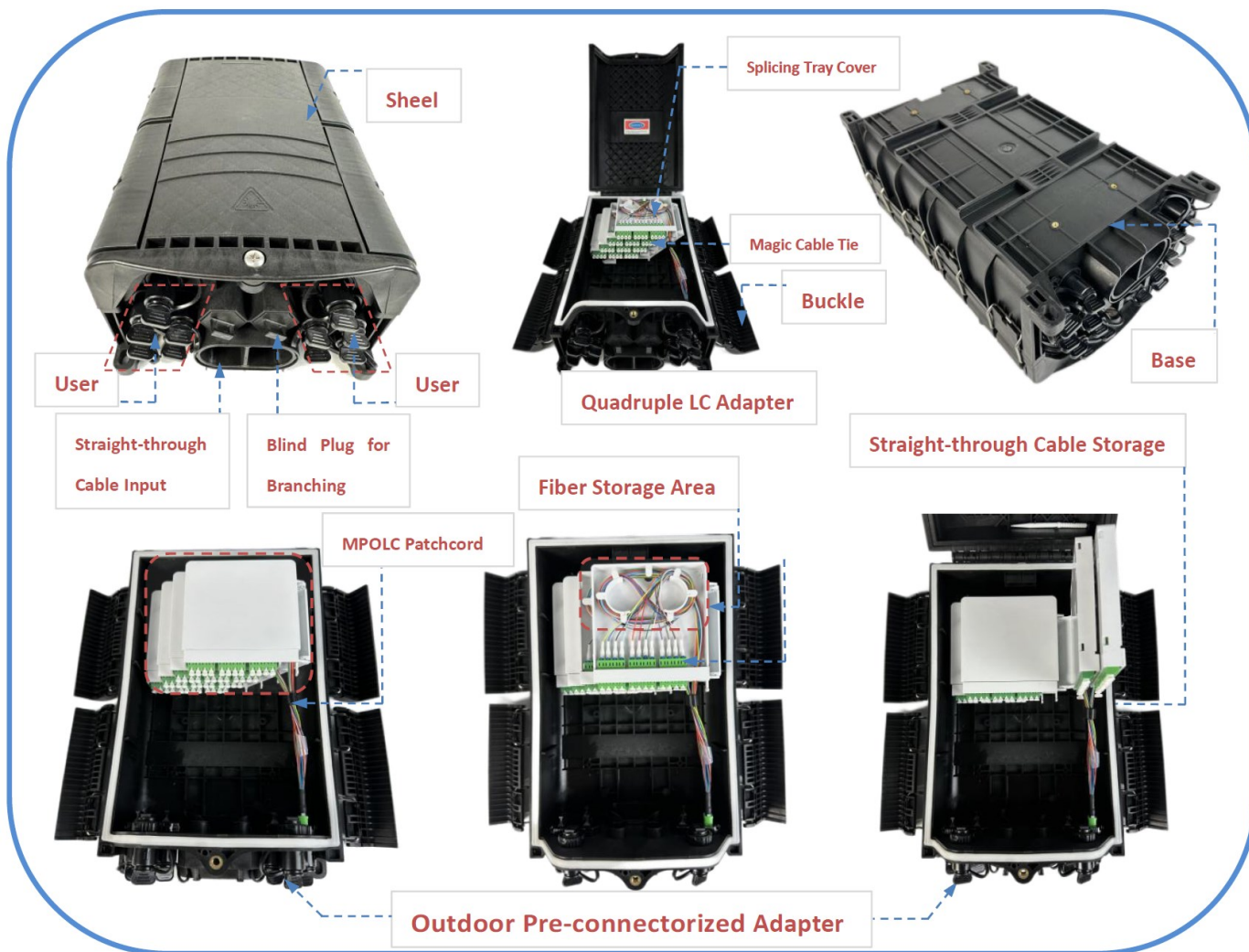


Mini SC/APC Pre-connectorized Patch cord

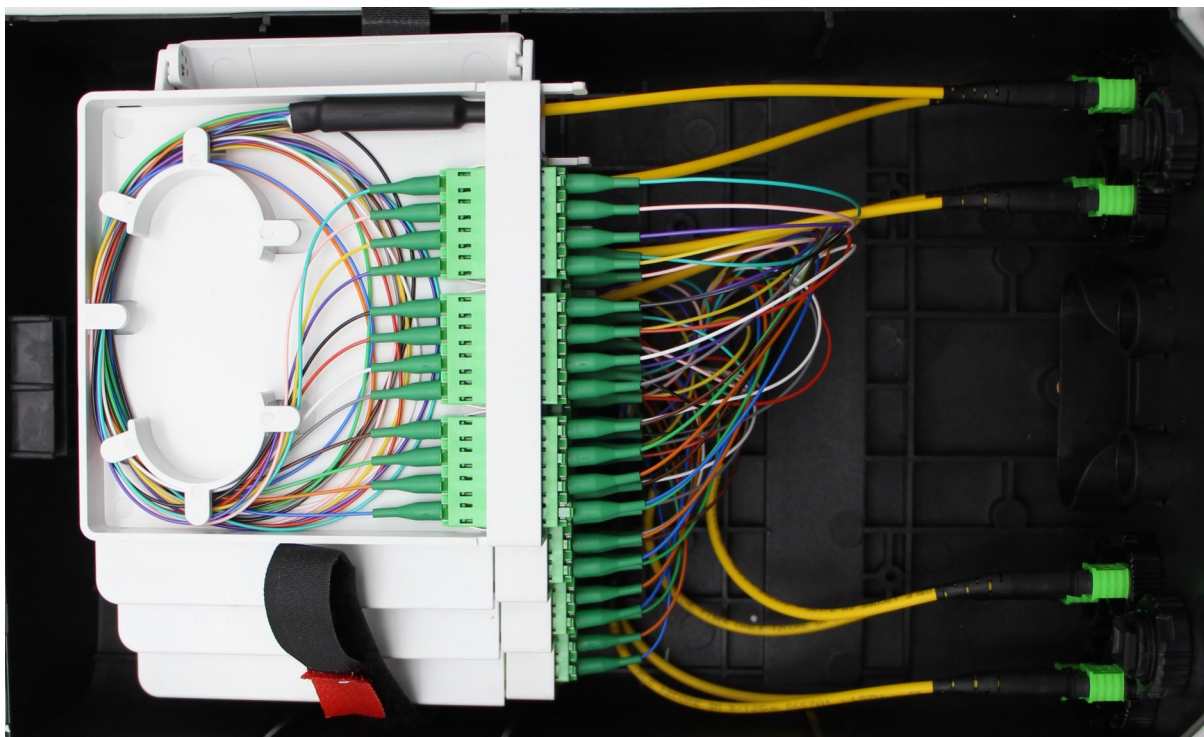
12F Mini MPO Pre-connectorized Patch cord



## Product Functional Zoning



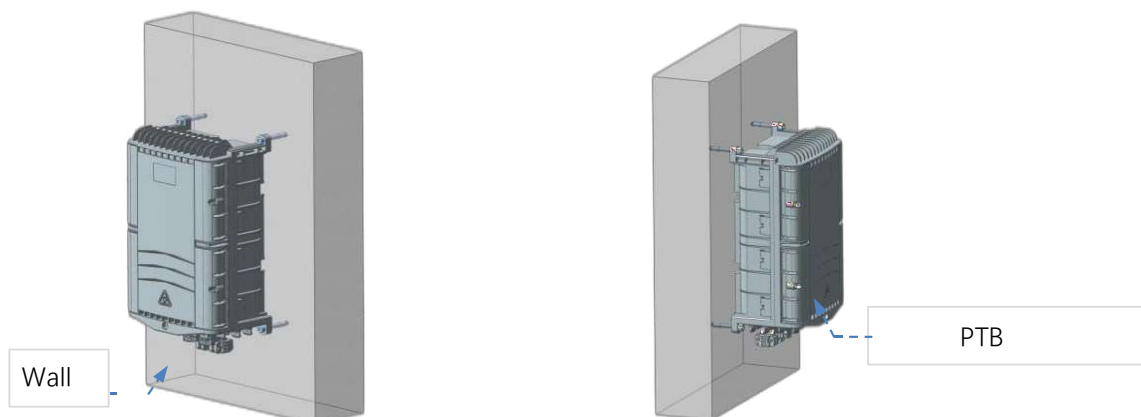
## Products Cabling route



## INSTALLATION

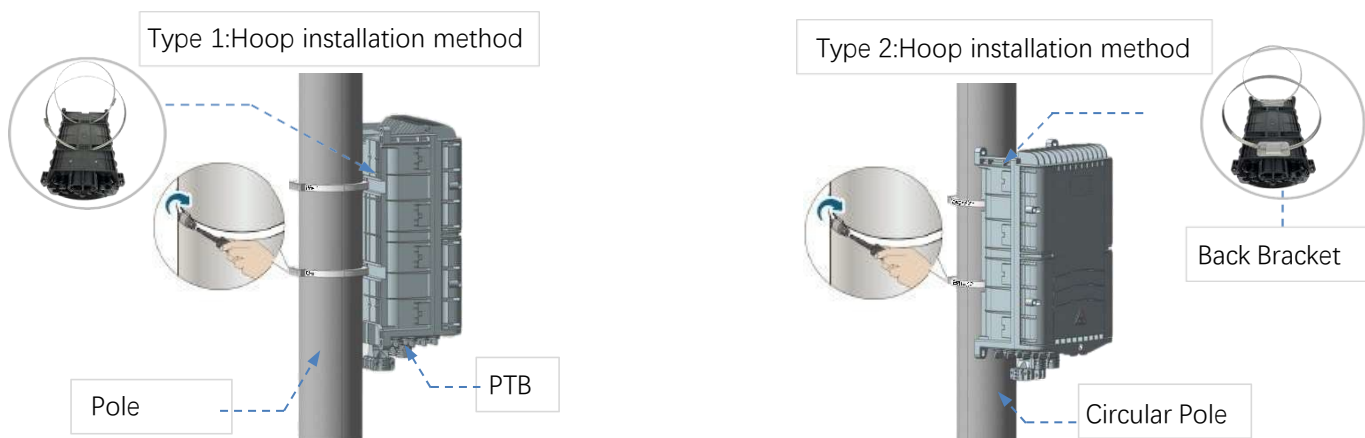
### 1. Wall-mounted installation

Drill 4 holes into the wall, place the expansion bolt ,  
place the box to match up the holes and use bolt to fasten



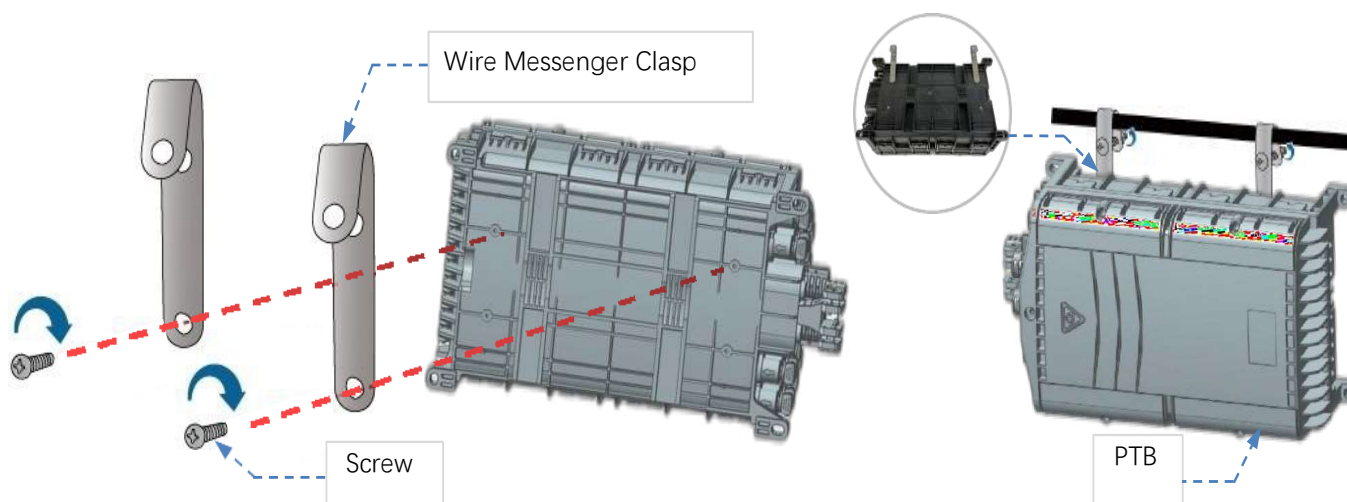
### 2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole

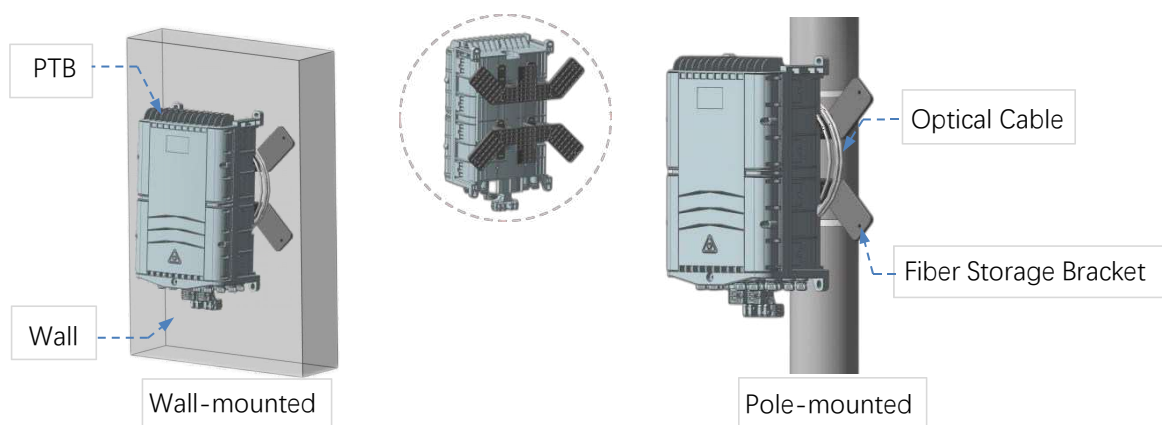


### 3. The overhead structure

Tie the two installed on the chassis of the overhead hung on the wire, and then bolted, prevent the case fall off.



#### 4. Fiber storage bracket installation



#### Features

1. Plug and play, pre-connected household cable instead of fusion, no need to open the box.
2. Fast insertion can fix and seal the optical cable outside the connector box for quick installation.
3. Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
4. Cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation, easy maintenance.
5. Support a variety of installation methods, holding pole, hanging wall, hanging cable.
6. Suitable for a variety of installation scenarios, support above-ground, underground, Manhole. well, hand well
7. Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use.

#### Specification

##### 1、 Environmental requirement

Working temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Relative humidity:  $\leq 85\%$  ( $+30^{\circ}\text{C}$ )

Atmospheric pressure:  $70\text{KPa} \sim 106\text{KPa}$

##### 2、 Thunder-proof technical datasheet

The insulation resistance between the grounding device and the metal parts of the box is no less than  $2 \times 10^4 \text{ M}\Omega/500\text{V}$  (DC) ;  $IR \geq 2 \times 10^4 \text{ M}\Omega/500\text{V}$ , The voltage resistance between the grounding device, and the box and its metal parts is no less than  $3000\text{V}$  (DC) /min, no puncture, no flashover;  $U \geq 3000\text{V}$

#### Standard Accessories:

PTB-8M box x1; Accessories bag x 1

#### Optional Accessories:

Pole ring\*2, Overhead installation hook



#### Package

Net weight	2.52kg
Gross Weight	2.74kg
Single box	420*220*142mm
Master box	4pcs per box
Master box size	48*44*31cm
Master box weight	11.76kg