

# NTHB010 Datasheet 01

2 IN 2 OUT 10 Ports FTTx Precon Hub Box Terminal Box

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## IP68 10 Ports 2 in 2 out FastConnect Hub Box

### Product Overview

This kind of Pre-connectorized optical distribution box as the most advanced FTTX network distribution node equipment, provide quick and reliable connection, good protection and management for the FTTX network. It is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.



### Application

- 1) FTTH Application;
- 2) Fiber optic communications in harsh outdoor environments;
- 3) Outdoor communication equipment connection;
- 4) Waterproof fiber equipment SC port;
- 5) Remote wireless base station;
- 6) FTTx FTTA wiring project.

## Features

- 1) Small size and elegant appearance.
- 2) Wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP68.
- 3) Plug and play, FastConnect drop cable instead of splicing, be installed without opening the box.
- 4) Faster cable inletting and sealing module make installation efficiently.
- 5) Support dispatching fibers from same loose tube into different trays.
- 6) Flexible splicing tray design.
- 7) Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use.

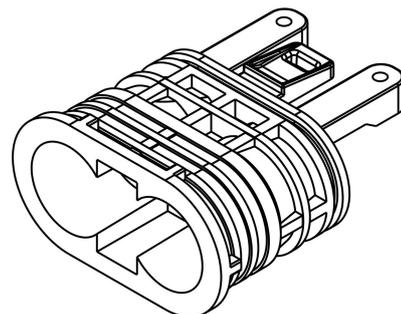
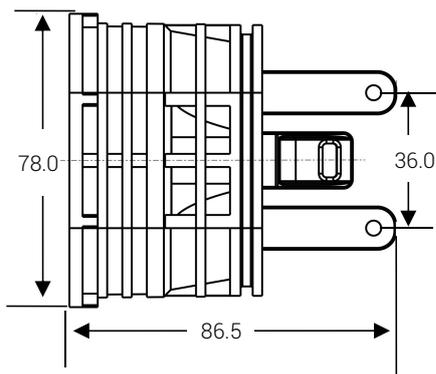
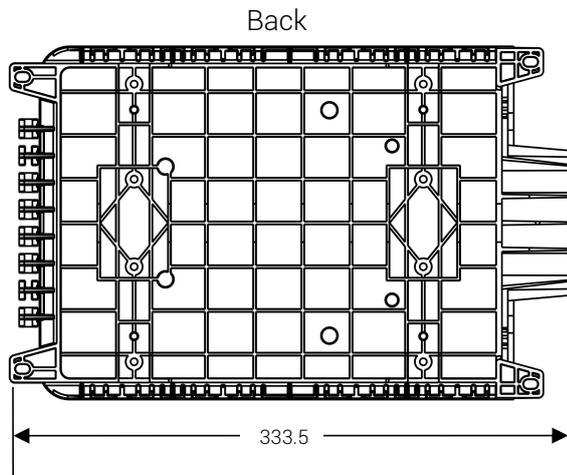
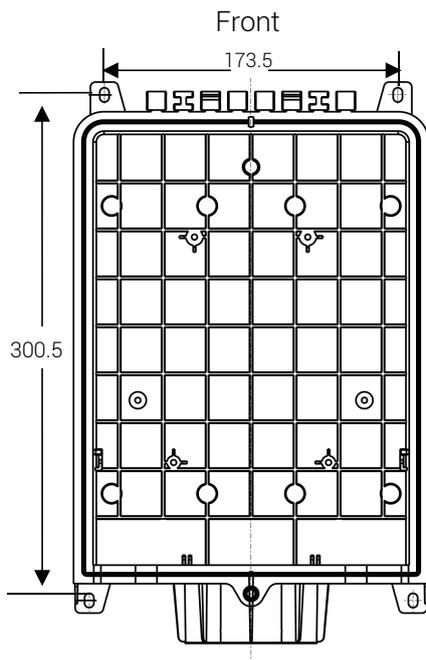
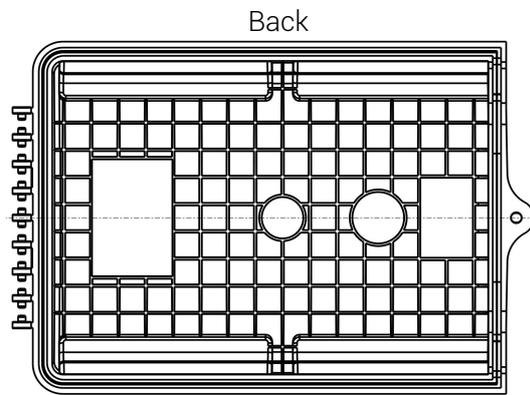
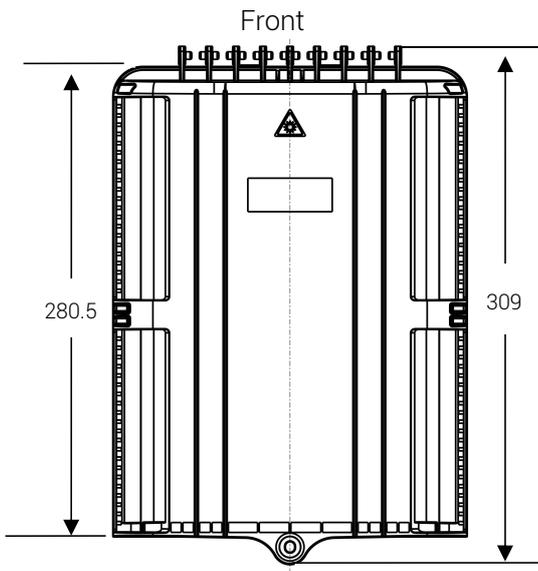
## Product Specification

|  |   |
|--|---|
| <b>Product name</b>                      | 2 IN 2 OUT 10 Ports FTTx Precon Hub Box Terminal Box  |
| <b>Fiber Type</b>                        | SM: G657A2  |
| <b>Color</b>                             | Black or Customized   |
| <b>Material of Case</b>                  | Alloy   |
| <b>Inside of Splice Tray</b>             | ABS   |
| <b>Cable Storage</b>                     | Synthetic nylon fiber   |
| <b>Optical Cable Size</b>                | • Pass-through cable: $\Phi 8\text{mm}$ to $\Phi 18\text{ mm}$<br>• Auxiliary cable: $\Phi 8\text{mm}$ to $\Phi 16\text{ mm}$ |
| <b>Splicing Capacity</b>                 | 48, 4 PCS trays   |
| <b>Termination Capacity</b>              | Max. 10 PCS Hardened Adapters   |
| <b>IP protection level</b>               | IP68  |
| <b>Installation mode</b>                 | Pole, Wall, Aerial Cable Mounting   |
| <b>Operating and Storage Temperature</b> | $-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$  |
| <b>Relative Humidity</b>                 | $\leq 85\%$ ( $+30^{\circ}\text{C}$ )   |
| <b>Atmospheric Pressure:</b>             | 70KPa~106Kpa  |
| <b>Net weight (unit: kg)</b>             | 1.6kg   |
| <b>Gross weight (unit: kg)</b>           | 2kg   |

## Thunder-proof technical datasheet

- 1) The insulation resistance between the grounding device and the metal parts of the box is no less than  $2\text{M}\Omega/500\text{V}$  (DC);  $\text{IR}\geq 2\text{M}\Omega/500\text{V}$ .
- 2) 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;  $U\geq 3000\text{V}$

**Dimension (mm)**



## Installation

### 1. Wall-mounted installation

Drill 4 holes into the wall based on the size in table 1, place the expansion bolt  $\Phi 7.5 \times 40$ , place the box to match up the holes and use bolt to fasten. (Pic 1)

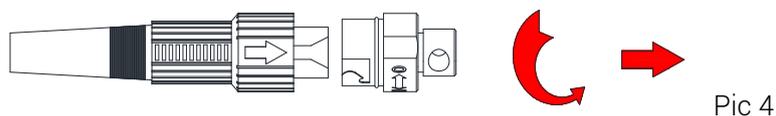
### 2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole (Pic 2)

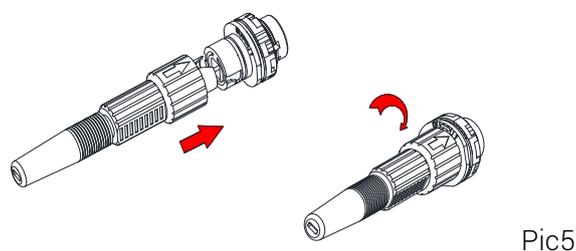
### 3. The overhead structure

Tie the two installed on the chassis of the overhead hung on the wire, and then bolted, prevent the case fall off.(Pic 3)

## Fiber connector installation



Pic 4 Rotate the arrow part of fiber connector counterclockwise and take out the dust cap.



Pic5 The arrow part of fiber connector is above, insert fiber connector into the socket and then rotate the arrow part clockwise.

## Accessories

1. Users' Manual\*1
2. Accessories Bag\*1
3. Pole Ring\*2 (Option)