# Technical Specification
# Fiber Optic Cable Distribution Box

# HTTB-X24

| Customer Approval | | | |
|---|---|---|---|
| | **Name** | **Signature** | **Date** |
| **Approved by** | | | |

# Contents

**1. General**

1.1 Description

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

| Production type | Classification |
|---|---|
| HTTB-X24 | Fiber optic cable distribution box |



Appearance of  HTTB-X24

1.2 Standards Comply

The product is designed, manufactured and tested according to the standards as follows:

| ITU-T L.13 | Performance requirements for passive optical nodes: Sealed closures for outdoor environments |
|---|---|

1.3 Applications Environment

| Item | Value |
|---|---|
| Operation temperature | -40 ºC ~ +65 ºC |
| Installation temperature | -15 ºC ~ +40 ºC |
| Storage temperature | -45 ºC ~ +75 ºC |

## 2. Characteristics

1.Total enclosed structure.

2.Material: PC+ABS, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65.

3.Cable, pigtails, patch cords are running through own path without disturbing each other, easy maintenance.

4.Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses.

## 3. Specifications

3.1 Mechanical specifications

| Item | Specifications | Note |
|------|---------------|------|
| Material of housing | High-strength PC+ABS | |
| Material of internal components | ABS | |
| Material of metal accessory | High-quality stainless steel | |
| External dimension(mm) | 335*275*95 | |
| Color | Gray, black, white | |
| Number of distribution cable ports | 3 | |
| Number of drop cable ports | 24 | |
| 3 Main Cable Ports | 2 ports for cable max dia. 15mm, 1 port for cable max dia. 12mm | |
| Fiber cable dimension of drop port(mm) | φ3 | |
| Capacity(Max) | 24 Splices | |
| Max quantity splitter | 1x8, 1x16 PLC splitter | |
| simplex adaptors | 24 | |
| IP grade | IP65 | |

Max Φ12mm

Max Φ15mm

φ3mm
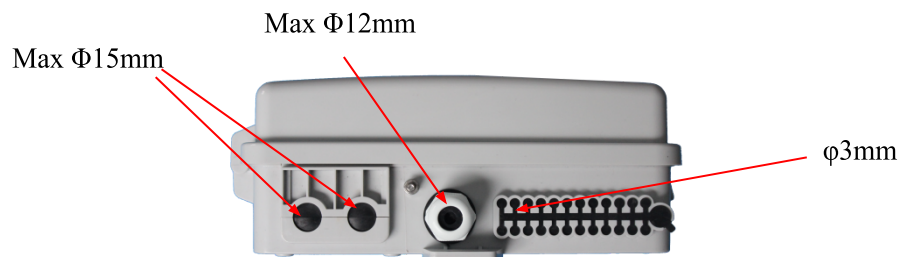
3.2 Optical specifications

| Item | Test Method | Specification | Note |
|------|-------------|---------------|------|
| Insertion loss(dB) | IEC61300-3-4-Method B | Mean≤0.1dB，Maximum≤0.3dB | |

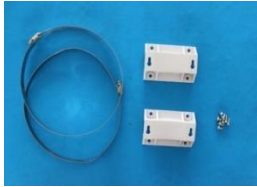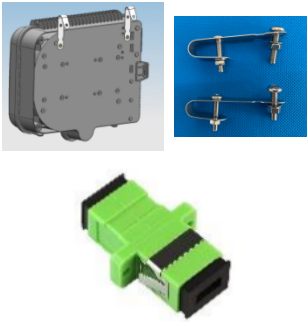| Return loss(dB) | IEC61300-3-6-Method 1 | APC≥60dB，UPC≥50dB | |
|---|---|---|---|
| Random connection | IEC61300-3-4 | Mean≤0.15dB，Maximum≤0.3dB | |
| Splitter | | Refer to insert type splitter technical specification | |
| Repeatability | IEC 61300-2-2 500 cycles | During the test the difference between the initial measurement and each of the measurements after one cycle must be less than 0.20 dB, and should be cleaned otherwise, with a limit of 25 cleanings | |

## 4. Configuration

4.1 Optical splice trays

| No | Model | Pic | Capacity | Note |
|---|---|---|---|---|
| 1 | T038A |  | 24F(1 layer) | |

4.2 Accessory section

| No. | Name | Reference picture | Quantity | Remark |
|---|---|---|---|---|
| 1 | Heat-shrinkable protection sleeve |  | 1 bag | L=60mm |
| 2 | Nylon cable tie | | 12 pcs | L=120mm |
| 3 | Buffer tube for bunchy fiber |  | 1 roll | OD=4.5mm, L=50 cm |

| 4 | The tail fiber sleeve | | 24 set | |
|---|---|---|---|---|
| 5 | Installation manual | | 1pc | English |
| 6 | key | | 1pc | |

4.3 Optional Accessories

| No. | Name | Model | Reference picture | Quantity | Remark |
|---|---|---|---|---|---|
| 1 | Pole-mounting kit | BZ10 | | 1 set | |
| 2 | Wall-mounting kit | | | 1 set | |
| 3 | Aerial-mounting kit | | | 1 set | |
| 4 | SC/APC adaptor | | | 16 pcs | |

| 5 | 1:16 PLC Splitter | |  | 1 pcs | 1x16 PLC Splitter, with SC/APC connector |
|---|---|---|---|---|---|

## 5. Product Picture
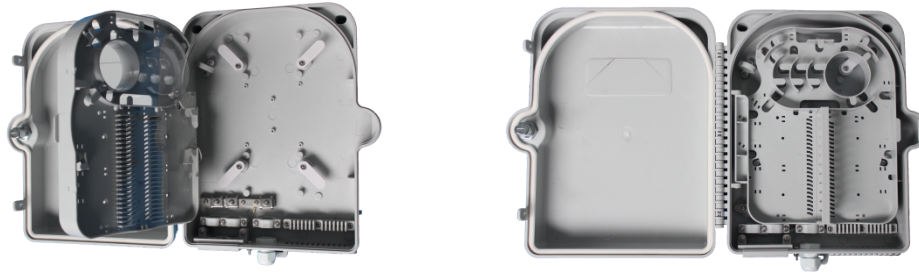


HTTB-X24  product picture

## 6. Package

Standard              Double corrugated carton, 680*375*580 mm, 10 in carton, about 16 Kg.