

Technical Specification
Fiber Optic Cable Distribution Box

HTTPB-X24B

Customer Approval			
	Name	Signature	Date
Approved by			

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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-X24B	Fiber optic cable distribution box



Appearance of HTTB-X24B

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
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1.3 Applications Environment

Item	Value
Operation temperature	-40 °C ~ +65 °C
Installation temperature	-15 °C ~ +40 °C
Storage temperature	-45 °C ~ +75 °C

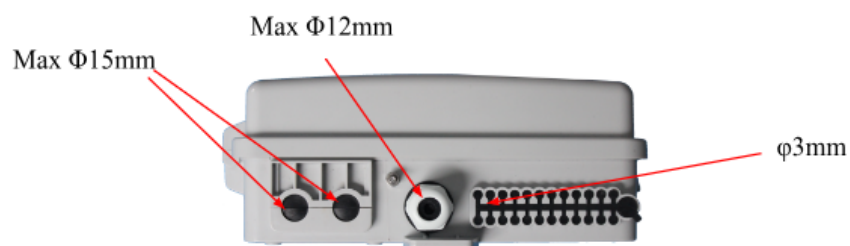
2. Characteristics

- 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	
Main Cable Ports	2 ports for cable max dia. 15mm, 1 port for cable max dia. 12mm	
Fiber cable dimension of drop port(mm)	$\phi 3$	
Capacity(Max)	24 Splices	
Max quantity splitter	1x8, 1x16 PLC splitter	
simplex adaptors	24	
IP grade	IP65	




3.2 Optical specifications


Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean \leq 0.1dB · Maximum \leq 0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC \geq 60dB · UPC \geq 50dB	
Random connection	IEC61300-3-4	Mean \leq 0.15dB · Maximum \leq 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	

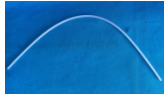



4. Configuration

4.1 Optical splice trays

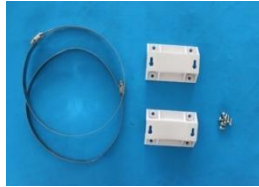

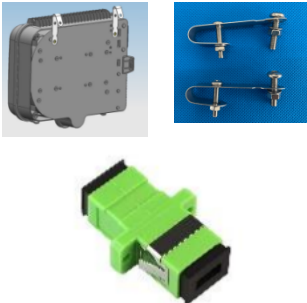
No	Model	Pic	Capacity	Note
1	T038A		24F(1 layer)	


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
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5. Product Picture



HTTB-X24B product picture

6. Package

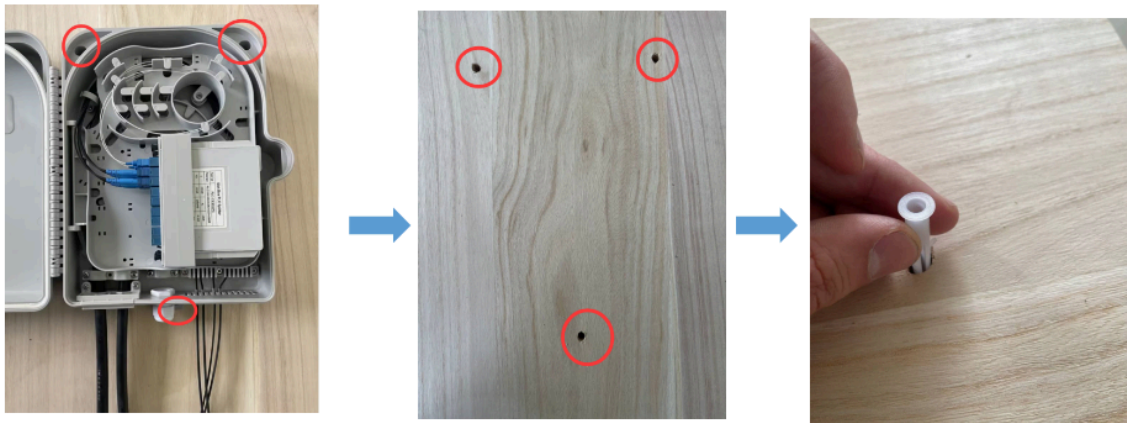
Standard

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

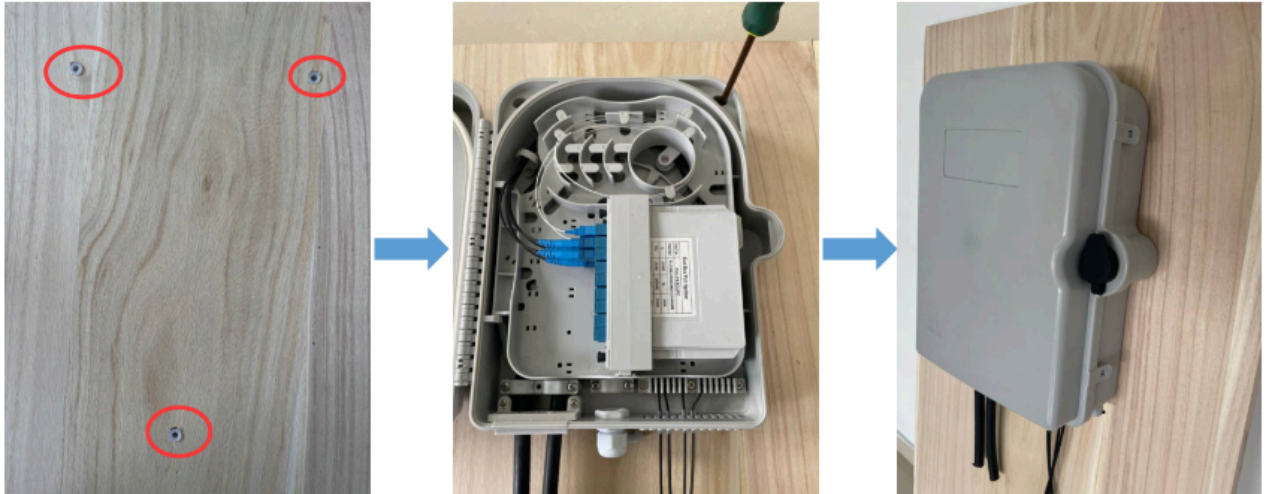
7. Method of installation

7.1 Wall-mounting kit

7.1.1 Put the product on the wall, mark the corresponding position, and then punch holes according to the specifications of the accessories, and then install plastic expansion screws.

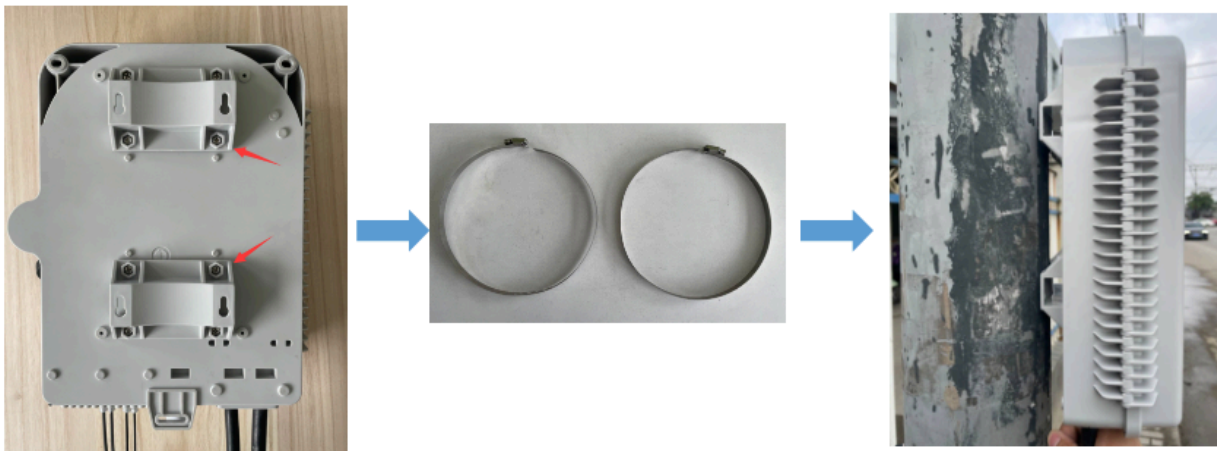


7.1.2 Install 3 plastic expansion screws in turn, then put the product on, and then install 3 metal screws in turn and tighten them with tools to complete the installation.



7.2. Pole-mounting kit

7.2.1 First, install two plastic supports on the product, and tighten the 8 fixing screws (installation direction is shown in the figure below). Then unscrew the hoop, attach the product to the pole, and thread the open hoop into the plastic bracket.





7.2.2 Tighten the inserted hoop, then put another hoop into it and tighten it to complete the installation.

