

Technical Specification

Fiber Optic Cable Distribution Box

HTTPB-X12

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-X12	Fiber optic cable distribution box



Appearance of HTTB-X12

1.2 Standards Comply

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

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

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

2. Characteristics

Total enclosed structure.

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

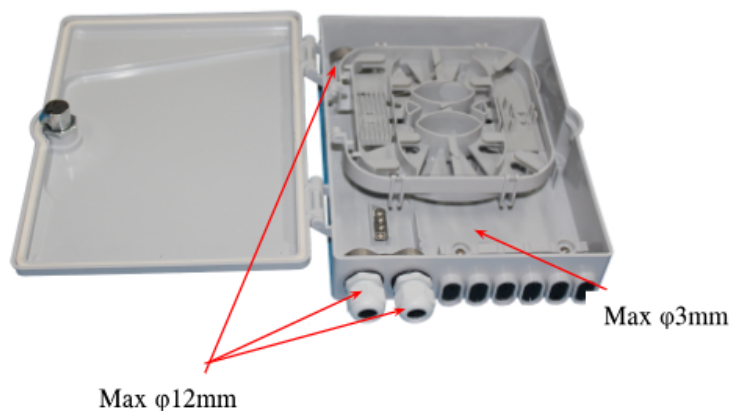
Cable, pigtails, patch cords are running through own path without disturbing each other, easy maintenance.

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)	258*207*64	
Color	Gray, black, white	
Number of distribution cable ports	3	
Number of drop cable ports	12	
3 Main Cable Ports	2 cable gland, each port for 1 cable with max \varnothing 12mm. 1 reserved port for 1 cable with max \varnothing 12mm.	
Fiber cable dimension of drop port(mm)	\varnothing 3	
Capacity(Max)	24Splices	
Max quantity splitter	1x4, 1x8 PLC splitter	
simplex adaptors	12	
IP grade	IP65	

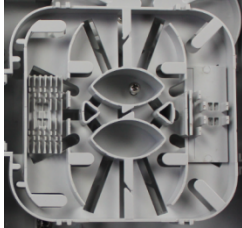
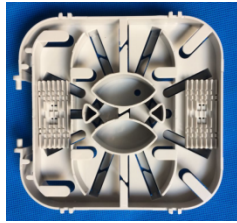


3.2 Optical specifications






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

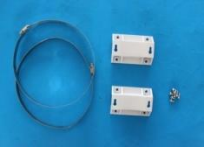

4.1 Optical splice trays

No	Model	Pic	Capacity	Note
1	T040A		12F(2 layer)+1PLC splitters+1simplex adaptors	
2	T040B		24F(2 layer)	

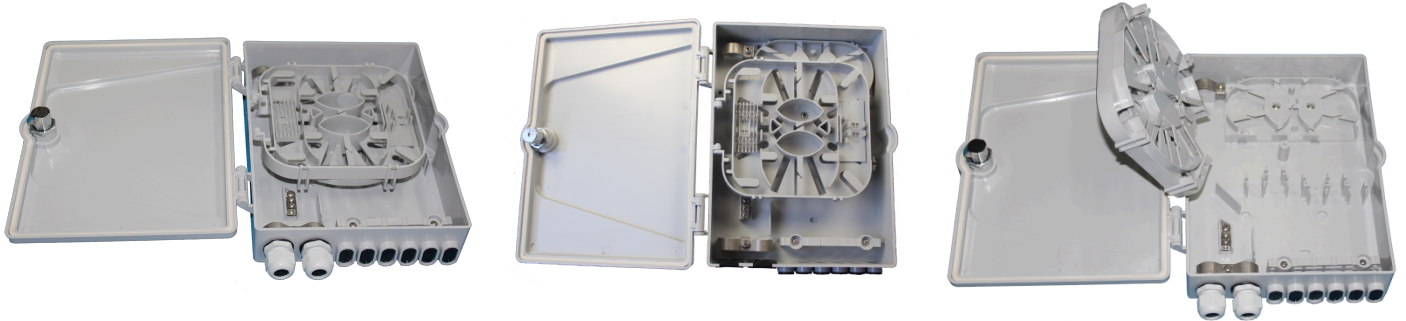
4.2 Accessory section

No.	Name	Reference picture	Quantity	Remark
1	Heat-shrinkable protection sleeve		1 bag	L=45mm
2	Nylon cable tie		12 pcs	L=120mm
3	Buffer tube for bunchy fiber		1 roll	OD=4.5mm, L=50 cm
4	Installation tape		1 roll	
5	Cable guard coil		3 pcs	
6	Installation manual		1pc	English

4.3 Optional Accessories

No.	Name	Model	Reference picture	Quantity	Remark
1	Pole-mounting kit	BZ10		1 set	
2	Wall-mounting kit			1 set	

5. Product Picture



HTTB-X12 product picture

6. Package

Standard

Double corrugated carton, 530*500*475 mm, 20 in carton, about 18.9 Kg.