

Technical Specification

Fiber Optic Cable Distribution Box

HTTPB-X100

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-X100	Fiber optic cable distribution box



Appearance of HTTB-X100

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

Compact enclosure(168x132x33mm)

The box allows the installation of fibers with a minimum bend radius of 25 mm over a length of 2 m .

In-line and butt configuration possible for main cable

Universal splice holder for 8 splices : fusion splice, mechanical splice.

Ready for PLC splitter installation.

Cable inlet is provided at the bottom left side .

Optionally the main cable can continue at the top left side .

Wraparound pass-through

Cable outlet ports (max . 2 cables) are provided at 5 sides : left , right , top , bottom , back .

IP rating , vertically mounted : IP43 (not for inline application : IP40) .

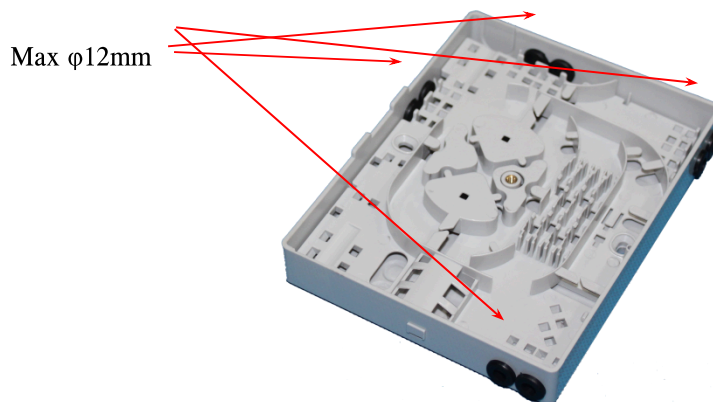
Impact rating : IK08.

Locking with screw , optionally security seal .

3. Specifications

3.1 Mechanical specifications

Item	Specifications	Note
Material of housing	High-strength PC+ABS	
Material of internal components	High-strength ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	168*132*33	
Color	Gray, black, white	
Number of distribution cable ports	8	
Main Cable Ports	for cables max diameter 12mm	
Capacity(Max)	8 Splices	



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	

4. Configuration


4.1 Optical splice trays

No	Model	Pic	Capacity	Note
1	T054A		8F(2 layers)	

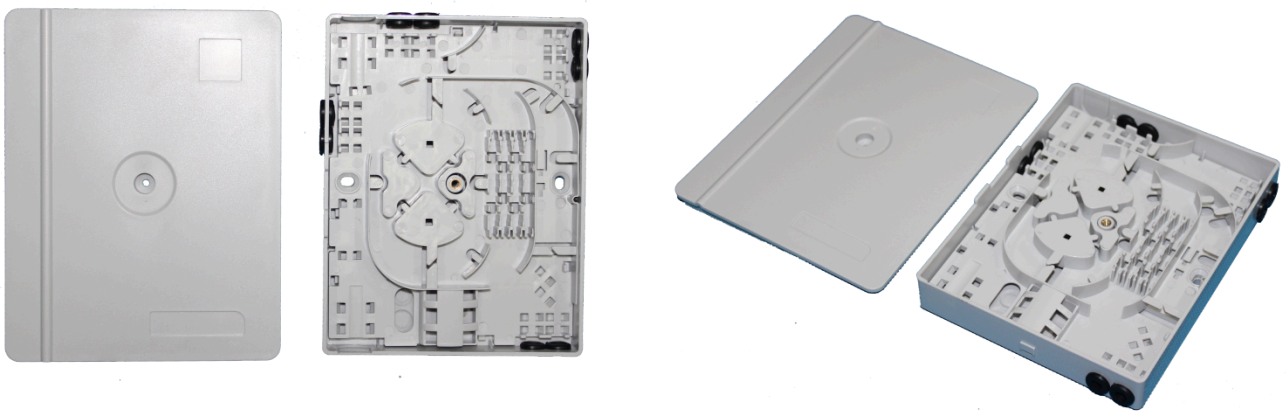
4.2 Accessory section

No.	Name	Reference picture	Quantity	Remark
1	Heat-shrinkable protection sleeve		1 bag	L=45mm
2	Nylon cable tie		12 pcs	L=120mm
3	Sponge article		1 pc	
4	Slot of the optical fiber protection pipe		4 pcs	
5	Installation manual		1pc	English

4.3 Optional Accessories

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

5. Product Picture



HTTB-X100 product picture

6. Package

Standard

Double corrugated carton, 480*460*455 mm, 60 in carton, about 13.5Kg.