Technical Specification

Fiber Optic Cable Distribution Box

HTTB-X50

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-X50	Fiber optic cable distribution box

Appearance of HTTB-X50

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

• Very compact enclosure with dimensions

(WxHxD): 80mm x 80mm x 35mm for integration into small sized floor boxes

• Window cuts as small as 50mm possible with specific cable constructions

such as the TE Mini-breakout cable

• Drop cables can be directed to 4 different sides by rotating the splice module

on the base module

• Free breathing enclosure for indoor use

• Front accessible

• Wrap around riser cable installation

• Not required to cut loop-through fibers from riser cable

• Can hold 4 LC connectors or 2 SC connectors

• Compatible with mechanical splice, heat shrink protectors in the same

splice holder

• Drop cable diameter up to 5mm

• Main cable diameter up to 10.5mm

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)	80*80*35	
Color	Gray, black, white	
Number of distribution cable ports	6	
Main Cable Ports	for cables max diameter 10.5mm	
Capacity(Max)	4 Splices	
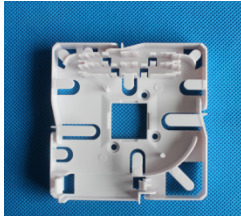
3.2 Optical specifications

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	T063A		4F(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	Sponge article		1 pc	
4	Slot of the optical fiber protection pipe		2 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
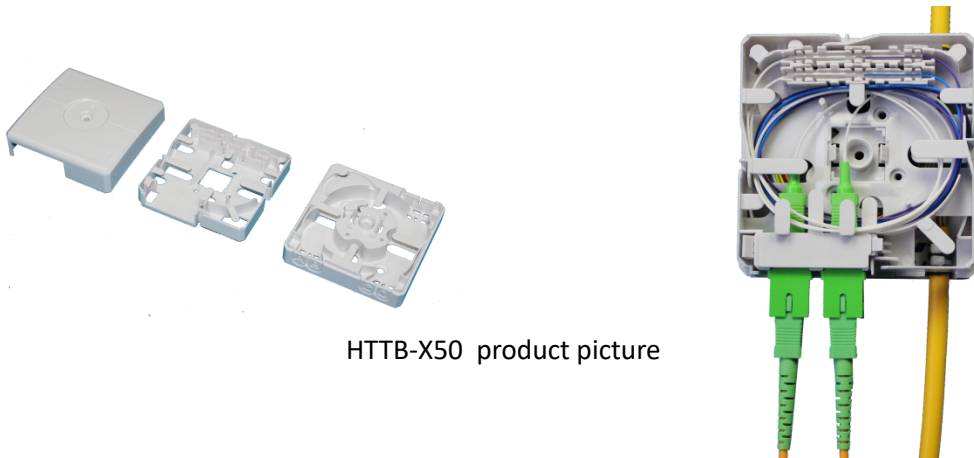
HTTB-X50 product picture

6. Package

Standard   Double corrugated carton, 530*470*310 mm, 100 in carton, about 11.8Kg.