Technical Specification
Fiber Optic Cable Distribution Box

HTTB-Y20

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-Y20	Fiber optic cable distribution box

Appearance of HTTB-Y20

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

Can accommodate 1x8 & 1X16 PLC splitter.

UV and weather proof.

Up to 16 FTTH drops.

Wall and pole mountable.

2 inlet ports(for cables with max diameter 12mm/13.5mm), 16 outlet ports.

ROHS compliance

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)	246*219*85	
Color	Gray, black, white	
Number of distribution cable ports	2	
Number of drop cable ports	16	
2 Main Cable Ports	for cables max diameter 12mm	
Fiber cable dimension of drop port(mm)	2*3MM	
Capacity(Max)	16 Splices	
Max quantity splitter	1x4,1x8, 1x16 PLC splitter	
simplex adaptors	16	

Max Φ12mm

2X3mm
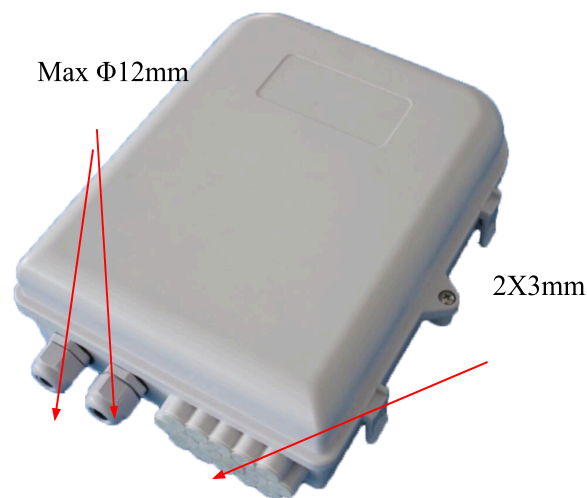
3.2 Optical specifications

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	

4. Configuration

4.1 Optical splice trays

No	Model	Pic	Capacity	Note
1	T091A		24F(2 layer)+2 PLC splitters	

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 manual		1pc	English

4.3 Optional Accessories

No.	Name	Model	Reference picture	Quantity	Remark
1	Pole-mounting kit	BZ13		1 set	
2	Wall-mounting kit			1 set	

5. Product Picture
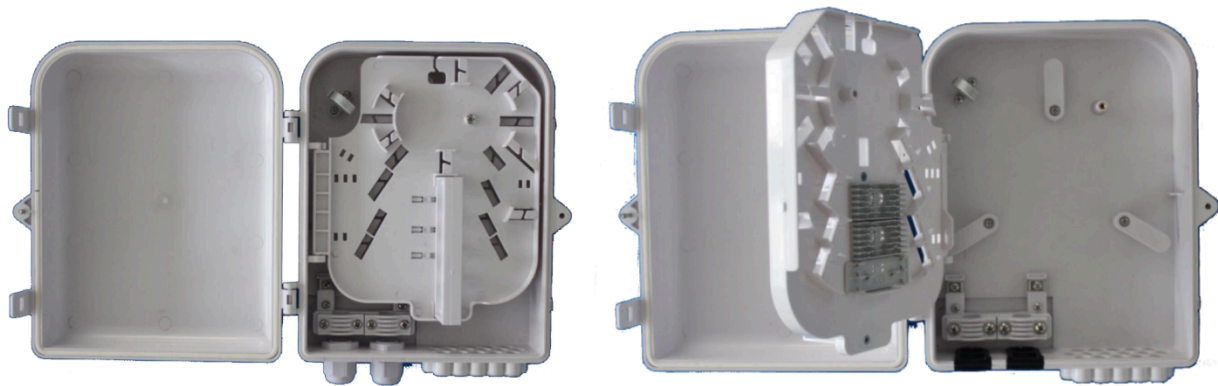
HTTB-Y20 product picture

6. Package

Standard   Double corrugated carton, 520*490*480 mm, 20 in carton, about 18 Kg.