

Technical Specification  
**Fiber Optic Cable Access Terminal Panel**

**FTTH-003**

<b>Customer Approval</b>			
	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Approved by</b>			

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## 1. General

### 1.1 Description

The equipment is used as a termination point for the drop cable to connect with ONU internal of apartment in FTTx communication network system. The fiber splicing can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Production type	Classification
FTTH-003	Fiber optic cable access terminal panel



Appearance of FTTH-003

### 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 ~ +60 °C
Installation temperature	-5 °C ~ +40 °C
Storage temperature	-45°C ~ +65 °C

## 2. Characteristics

1. Economic design
2. Ability to allow cables to enter from both sides of the unit
3. Removable cover for easy access
4. Compact, low profile, wall mounted unit used for small and large business premises

## 3. Specifications

### 3.1 Mechanical specifications

Item	Specifications	Note
Material of housing	PC+ABS	
External dimension(mm)	80*80*25.5	
Color	White	
Number of inlet ports	4	
Number of outlet ports	2	
Fiber cable diameter of the input port(mm)	Max $\phi 5$	
Fiber type of the output port	SC/LC patch cored	
Capacity(Max)	2 cores	
IP protection level	IP45	
Neutral salt spray test (NSS)	48h	



## 3.2 Optical specifications

Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean $\leq$ 0.1dB · Maximum $\leq$ 0.30dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC $\geq$ 60dB · UPC $\geq$ 50dB	
Random connection	IEC61300-3-4	Mean $\leq$ 0.15dB · Maximum $\leq$ 0.30dB	
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

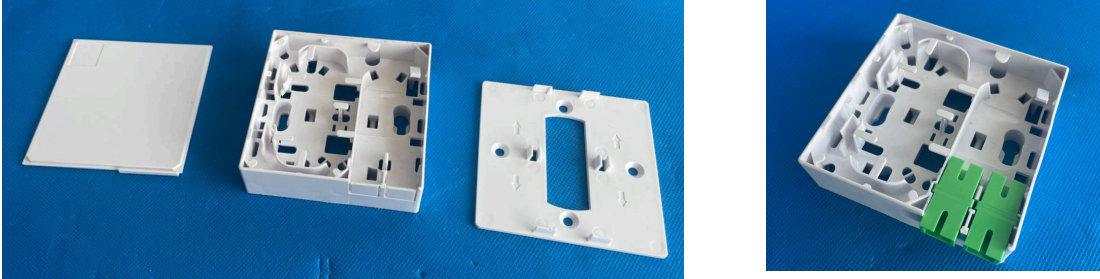
## 4.1 Panel section

Part name	Unit	Quantity	Note
Box bottom	pcs	1	
Box cover	pcs	1	
Internal tray	pcs	1	
Adapter	pcs	2	SC/APC
Pigtail	pcs	2	L=1.0m Outer Sheath Material :LSZH OD=0.9mm, Fiber type: G657A2 Fiber Color: Blue Outer sheath color: Yellow

## 4.2 Accessory section

Part name	Unit	Quantity	Note
Screws and rubber plugs	set	2	M4*30 Philips head screw, $\Phi$ 6*30 rubber plug
Cable tie	pcs	6	3*100mm
Heat shrink protective sleeve	pcs	2	L=40mm

## 5. Product Picture



FTTH-003 product picture

## 6. Package

Standard

Double corrugated carton, 305\*305\*410mm, 100 in carton, about 8Kg