



INDOOR  
DISTRIBUTION  
TERMINAL BOX

**AR-TB-12P**

## 1. General

### 1.1 Description

Optical distribution box as the most advanced FTTX network distribution node equipment, provide quick and reliable connection, good protection and management for the FTTX network.

Production type	Classification
AR-TB-12P	Fiber optic cable distribution box



Pic.1 AR-TB-12P

### 1.2 Standards Comply

The production offered by ARTIC are designed, manufactured and tested according to the standards as follows:

IEC 62134-1	Fiber optic enclosures - Part 1: Generic specification
IEC 61300-2	Fiber optic interconnecting devices and passive components - Basic test and measurement procedures
IEC 60068-2	Basic environmental testing procedures for electric and electronic products

### 1.3 Applications Environment

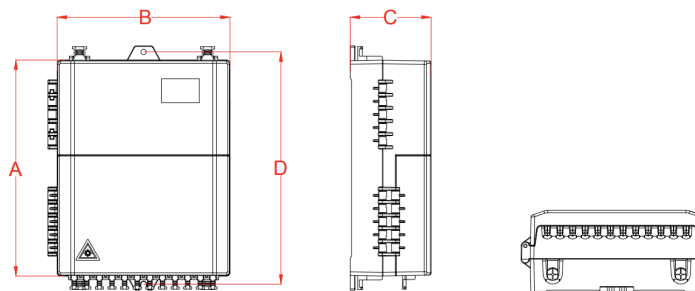
Item	Value
Operation temperature	-40 °C~+65 °C
Installation temperature	-15 °C~+40 °C
Storage temperature	-45 °C~+75 °C
Relative humidity	≤85% (+30°C)
Atmospheric pressure	70KPa~106Kpa

## 2. Characteristics

1. Total enclosed structure.
2. Material: PC+ABS, dust-proof, anti-aging, protection level up to IP30.
3. Clamping for riser cable and drop cable, fiber splicing, fixation, storage, distribution, etc. all in one.
4. Cable, pigtails, patch cords are running through own path without disturbing each other, easy for maintenance.
5. Distribution panel can be flipped up, easy for maintenance and installation.
6. Box can be installed on the wall.

## 3. Specifications

### 3.1 Mechanical specifications



Pic.2 AR-TB-12P

Item	Specification	Remark
Material of housing	PC+ABS	
Material of metal accessory	High-quality stainless steel	
External dimension (mm)	181x146x68mm	AxBxC
Installation hole position(mm)	225	D
Color	Customizable	
Number of adaptor(Max)	12	
Capacity(Max)	12 cores	
Input cable diameter (Max)	Ø10mm	
Drop cable size(mm)	2*3, Ø3~ Ø5	
IP grade	IP30	
Flammability	UL94-HB	Default
Neutral salt spray test (NSS)	48h	

### 3.2 Optical specifications

Splitter or pigtail	IL(dB)	RL(dB)	IL(dB)	Test method
	Pigtail/Splitter		Distribution box	
Pigtail-SC/APC-00-SM-SX(1C1F)-O D0.9MM-PVC-G657A2-Cable Color(Default)-Indoor-RoHS-1.5m	≤0.3	≥55dB	≤0.5	IL: IEC61300-3-4 Method B RL: IEC61300-3-6 Method 1
1x2 PLC Splitter, with SCAPC connector	≤4.3	≥55dB	≤4.2	
1x4 PLC Splitter, with SCAPC connector	≤7.4	≥55dB	≤7.6	
1x8 PLC Splitter, with SCAPC connector	≤10.5	≥55dB	≤10.7	

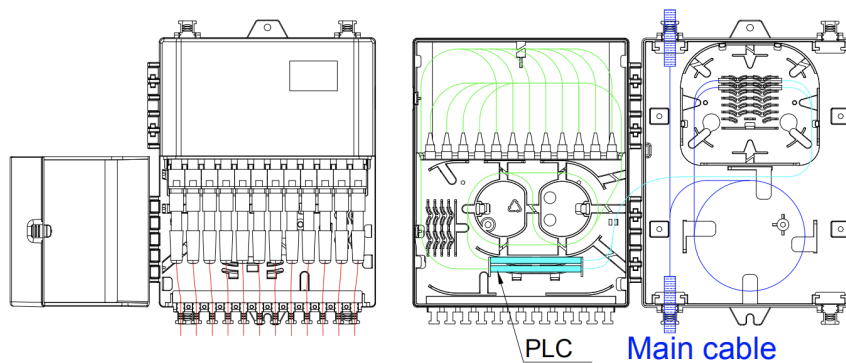
The optical parameters shown in the table above are default values, and can be customized according to requirements.

### 3.3 Port color

● Red    |    ● Blue    |    ● Green

The color of the product may vary and is for reference only.

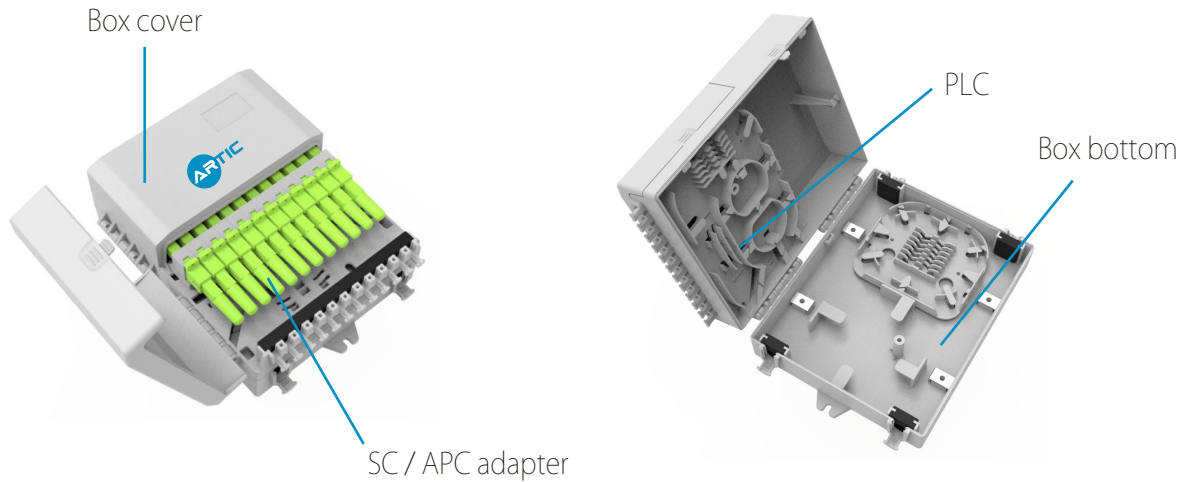
### 4. Routing diagram



Pic.3 AR-TB-12P

## 5. Configuration

### 5.1 Main parts

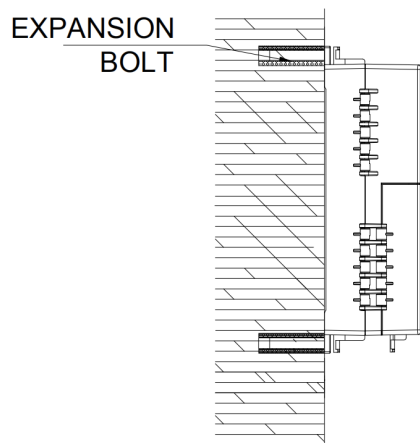


Pic.3 Structure

## 6. Installation

### 6.1. Wall-mounted installation

Drill 2 holes in the wall according to the dimension in table 2, place the expansion plug  $\Phi 8*40$ , place the box to match up the holes and use screws to fasten. (Pic.4)



Pic.4 Wall mounted installation

## 7. Package

Item	Material	Size (mm)	Quantity	Gross weight (kg)
Independent product packaging	Carton	210x160x75	1	0.6
Outer packaging carton	Carton	440x340x410	20	13