

# SPECIFICATION

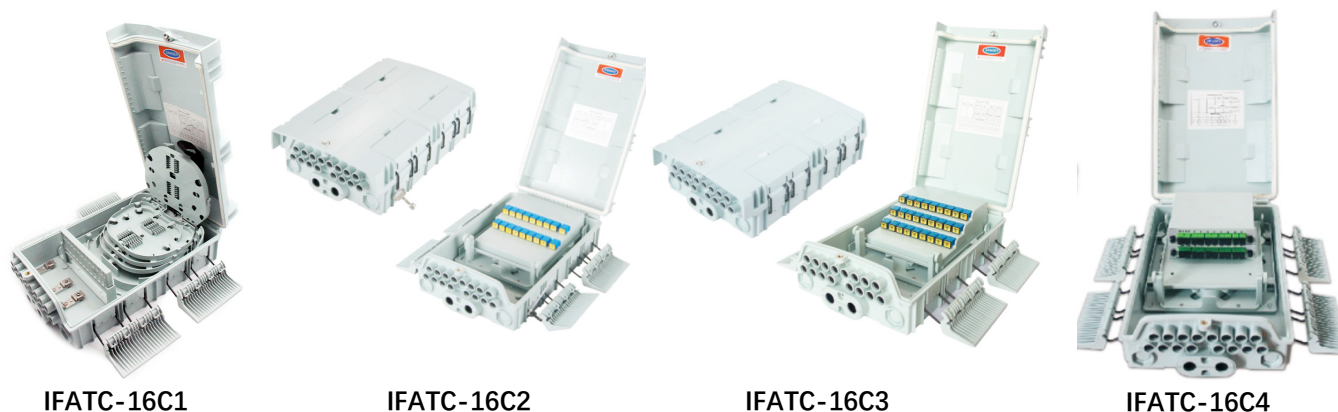
## FTTH FIBER ACCESS TERMINAL BOX-IFATC-16C



## Description

The FTTH Fiber Access Terminal box-IFATC-16E is used as a termination box 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. It can offer 16 FTTH subscribers access points.

## Specification:



Model No.	IFATC-16C	Color	Black, Grey White..
Capacity	16ports SC+24F Splice	Protection Level	IP65 Indoor/Outdoor
Material	PC+ABS, ABS	Flame retardant performance	Non-flame retardant
Dimension(L*W*D,)	340x210x95mm	Splitter	Can be with 2x1:8 Plug in splitter or 1x1:16 plug-in Splitter
Input Cable OD	1mid span( $\Phi$ 14.5mm), 2cable gland( $\Phi$ 7-12mm)	Output cable OD	16: drop cable 2*3mm or <4.5mm round cable
Installation Method	Wall&Pole mounted	Insertion loss	$\leq 0.2\text{dB}$ (1310nm & 1550nm)

### 1、Environmental requirement

Working temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$  Relative humidity:  $\leq 85\%$  ( $+30^{\circ}\text{C}$ ) Atmospheric pressure: 70KPa ~ 106Kpa

### 2、Main technical datasheet:

Insertion loss:  $\leq 0.2\text{dB}$  UPC return loss:  $\geq 50\text{dB}$  APC return loss:  $\geq 60\text{dB}$

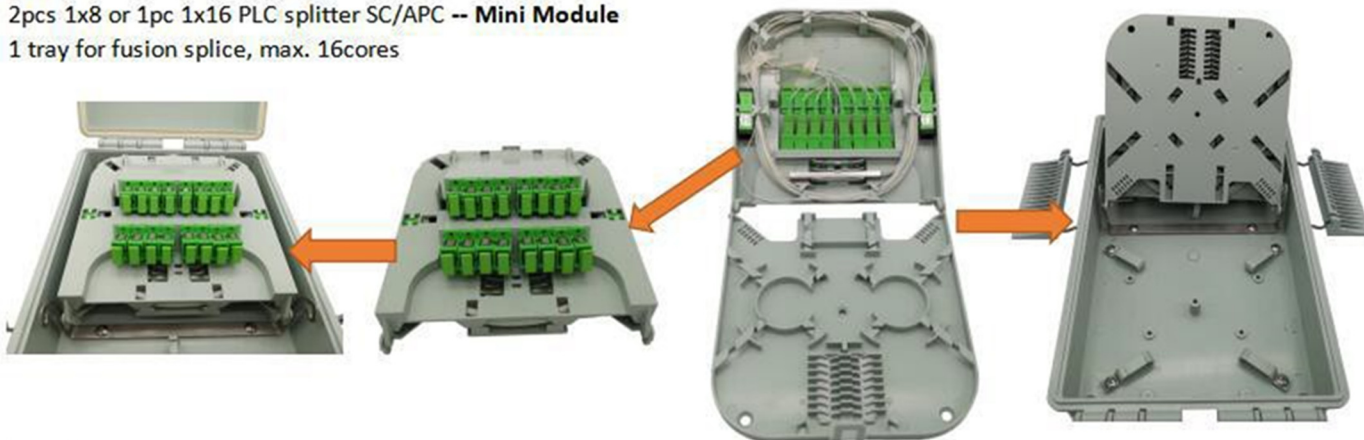
### 3、Thunder-proof technical datasheet

The insulation resistance between the grounding device and the metal parts of the box is no less than  $2 \times 10^4 \text{ M}\Omega/500\text{V}$  (DC) ;  $IR \geq 2 \times 10^4 \text{ M}\Omega/500\text{V}$ , The voltage resistance between the grounding device, and the box and its metal parts is no less than 3000V (DC) /min, no puncture, no flashover;  $U \geq 3000\text{V}$

## Internal Structure

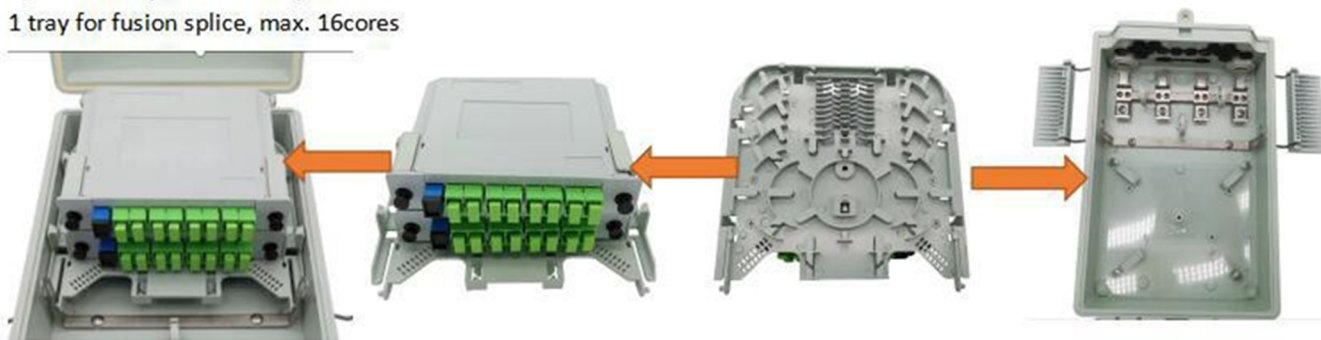
### Type A

2pcs 1x8 or 1pc 1x16 PLC splitter SC/APC -- **Mini Module**  
1 tray for fusion splice, max. 16cores



### Type B

2pcs 1x8 or 1pc 1x16 PLC splitter SC/APC -- **LGX module**  
1 tray for fusion splice, max. 16cores



## Features

- 1、 Total enclosed structure.
- 2、 Material: PC+ABS, wet-proof、 water-proof、 dust-proof、 anti-aging, protection level up to IP65/66。
- 3、 Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
- 4、 Cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation, easy maintenance.
- 5、 Distribution panel can be flipped up, feeder cable can be placed by expression port,easy for maintenance and installation.
- 6、 Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use.

## Application

Optical Telecommunication System,  
LAN,Optical fiber Communication System  
Optical fiber broadband access network  
FTTH access network

### Accessories:

#### Standard Accessories:

Splice cassette and cable management tool, installation nuts and bolts, protection sleeves, hose clamp, cable tube, wreath, cover holder, rubber seal for cable entrance.

#### Optional Accessories: Pole ring

## Installation

### 1. Wall-mounted installation

Drill 4 holes over the wall based on the size, place the expansion bolt  $\Phi 7.5 \times 40$ , place the box to match up the holes and use bolt to fasten.

### 2. Pole-mounted installation

Fix 1 set of the easy pole ring to the telecom pole

