

# SPECIFICATION

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



## 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:



**IFATC-16E**

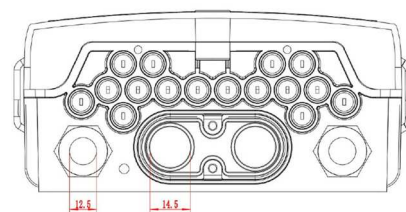
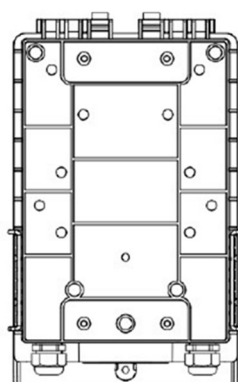
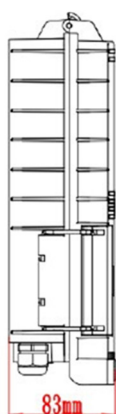
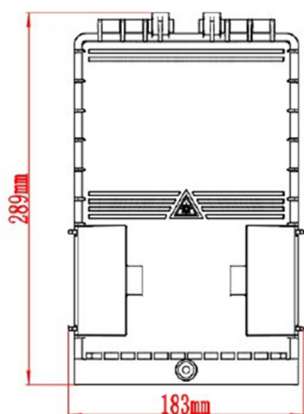


**IFATC-16E1**



**IFATC-16E2**

Model No.	IFATC-16E	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,)	289x183x83mm	Splitter	Can be with 2x1:8 Plug in splitter or 1x1:16 plug-in Splitter
Input Cable OD	1 mid span port( Φ16mm Max),	Output cable OD	16: drop cable 2*3mm or <4.5mm round cable
	2x PG 13.5-PG16 Gland		
Installation Method	Wall&Pole mounted	Insertion loss	≤0.2dB (1310nm & 1550nm)



## Features

- 1、 Total enclosed with key and 2\*buckles, square shape, light weight, compact size;
  - 2、 High strength engineer plastic, wet-proof/water-proof/dust-proof, anti-aging, resistance to chemical and UV attack;
  - 3、 Clamp for feeder cable and drop cable, mix fiber splicing/ fixation/storage/distribution in one;
  - 4、 Cable, pigtails are running through own path without disturbing each other;
  - 5、 Distribution panel can be flipped up, 1X16 LGX splitter or micro splitter with 16SC adapter is optional;
  - 6、 Fusion plate can be maximum 16cores splicing, large area for routing and storage;
  - 7、 Feeder cable can be placed by expression port, easy for maintenance and installation;
- Outdoor Wall mount or pole mount, IP65 protection class

## Specification

### 1、 Environmental requirement

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

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

## Application

Wall mounting and pole mounting installation

FTTH pre-installation and filed installation

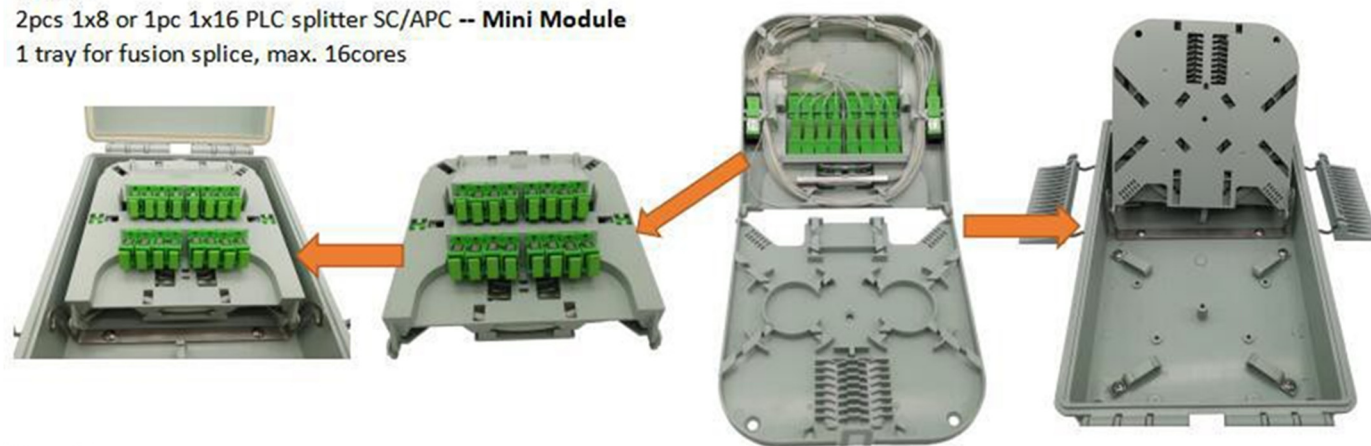
Suitable for 2x3mm indoor FTTH drop cable and outdoor figure 8 FTTH self-supporting drop cable

## Internal Structure

### Type A

2pcs 1x8 or 1pc 1x16 PLC splitter SC/APC -- Mini Module

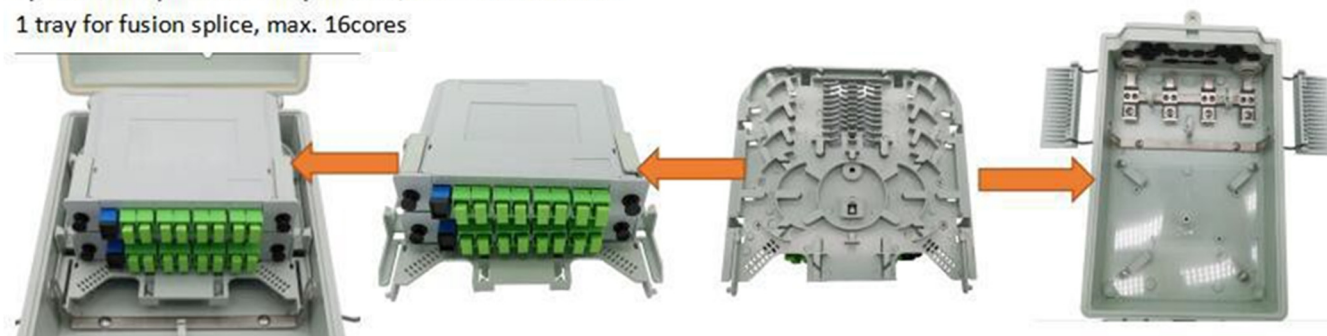
1 tray for fusion splice, max. 16cores



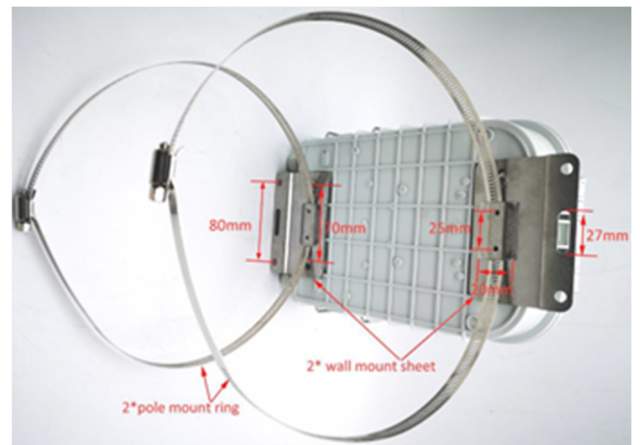
### Type B

2pcs 1x8 or 1pc 1x16 PLC splitter SC/APC -- LGX module

1 tray for fusion splice, max. 16cores



### 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

