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.

2、Features：

1、Total enclosed structure.
2、Material:PC+ABS，wet-proof、water-proof、dust-proof、anti-aging, protection level up to IP65。
3、Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
4、Cable，pigtails，patchcords are running through own path without disturbing each other, cassette type SC adaptor installation, easy maintenance.
5、Distribution panel can be flipped up, feeder cable can be placed in a mid-span way, easy for maintenance and installation.
6、Cabinet can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses.

3、Specification：

1、Environmental requirement

Working temperature：-40℃～+60℃

Relative humidity：≤85%（+30℃）

Atmospheric pressure：70KPa～106Kpa

2、Main technical datasheet

Insertion loss：≤0.2dB

UPC return loss：≥50dB

APC return loss：≥60dB

Life of insertion and extraction：＞1000 times

3、Thunder-proof technical datasheet

The grounding device is isolated with the cabinet, isolation resistance is less than 1000MΩ/500V（DC）;

IR≥1000MΩ/500V
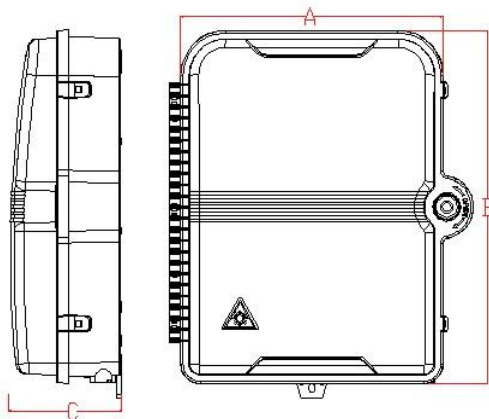
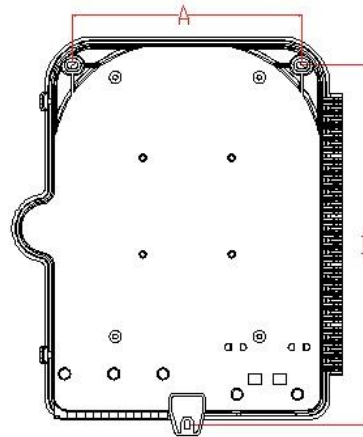The withstand voltage between grounding device and cabinet is no less than 3000V（DC）/min, no puncture，no flashover

；U≥3000V

4、Configuration table：

Model	Description	Size (Pic 1)	Max Capacity		Installation Size(Pic 2)
		A*B*C(mm)	Splitter	Splice	A*B （mm)
FAT-24A	Distribution Box	320*240*100	16	24	190*298
FAT-16A	Distribution Box	320*240*100	16	16	190*298
FAT-12A	Distribution Box	225*200*65	8	12	168*210
FAT-8C	Distribution Box	225*200*65	8	8	168*210

Pic 1 Box Size

Pic 2 Installation Size

5、 **Product cable ways：**

Adaptor Holder　　　　　　　　　　Pigtail

Fiber splice&storage　Cable cup joint　　　　　　Drop cable
tray flap plate　　　　device　　Feeder cable Grounding bar
　　　　　PLC splitter

Pic 3　FAT-24A Cable ways

Easy 2-in-1 slots　Modular type
　　　　　　　　　splitter

PLC splitter
Fiber splice&storage　　　　　　Parking lo　　Drop cable
tray flap plate　Cable cup joint　Feeder cable
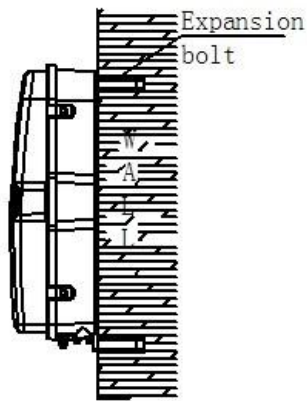　　　　　　　device　　　　Grounding bar
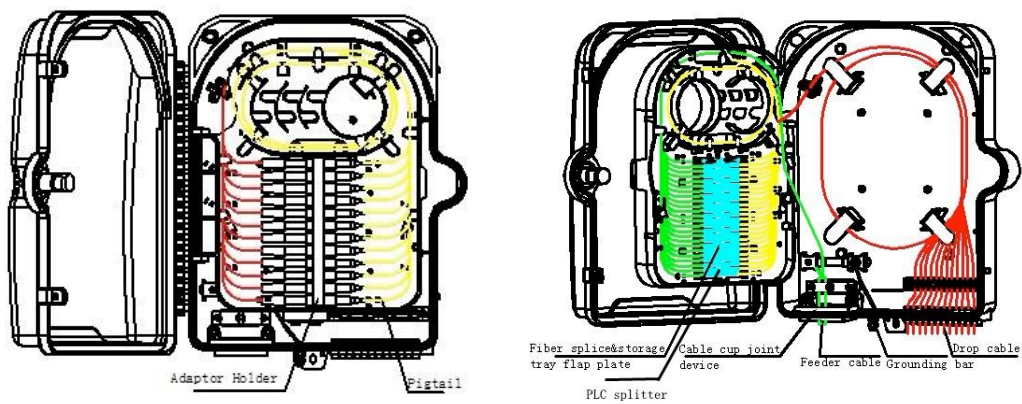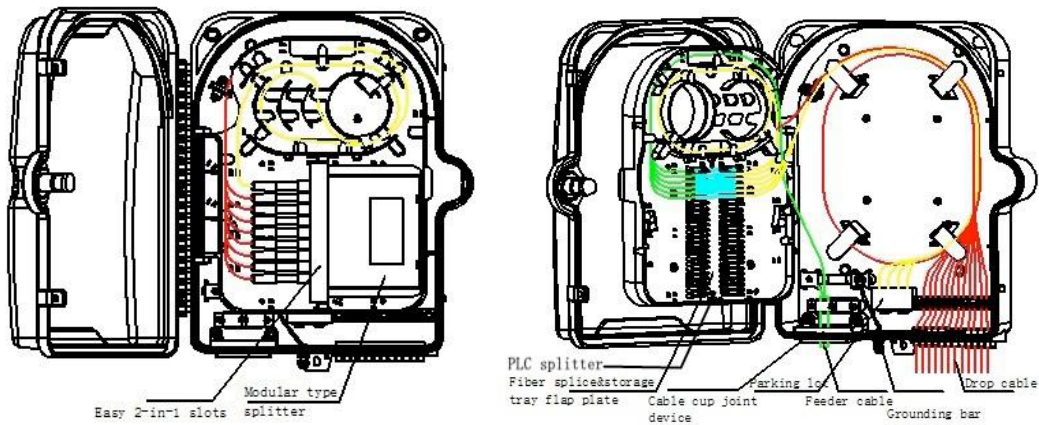
Pic 4　FAT-16A Cable ways

6、 **Installation：**

1. Wall-mounted installation
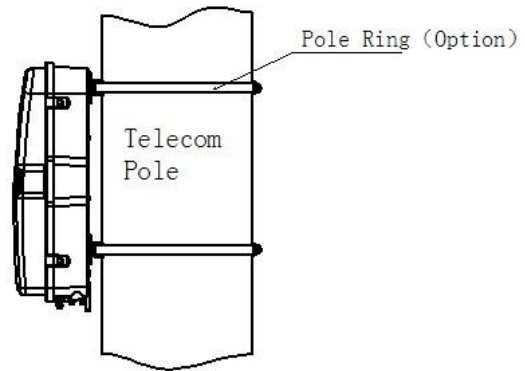
   Drill 4 holes over the wall based on the size in table 1，place the expansion bolt Φ7.5*40，place the box to match up the holes and use bolt to fasten。(Pic 5)
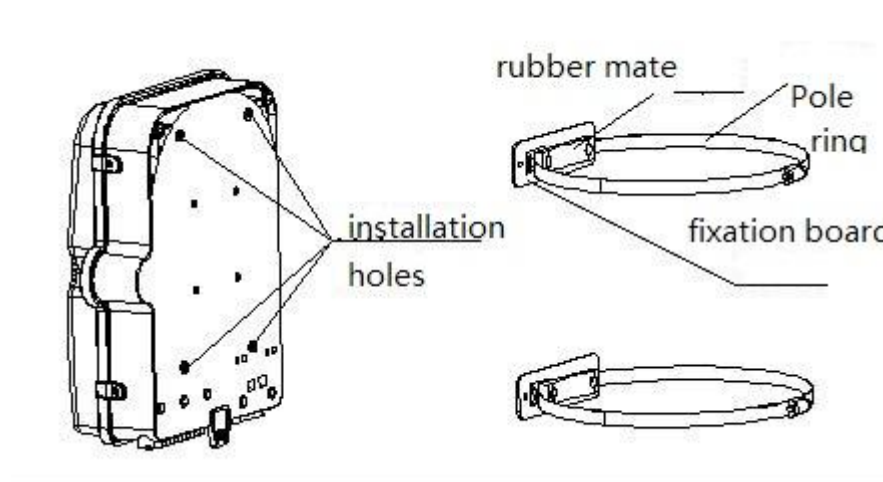
2. Pole-mounted installation

   Fix 1 set of the easy pole ring to the telecom pole .（Pic 6）

Pic 5 Wall mounted installation   Pic 6 Pole mounted installation

Pic 7 Pole ring installation

7、Accessories：

1. Users' Manual*1。
2. Key*1。
3. Accessories Bag * 1
5. Easy pole ring*2，M6*20mm Bolt*2（Option）