FAB-HGT-8ZSX

1. General

1.1 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.

1.2 Standards Comply

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

ITU-T G.652	Characteristics of a single-mode optical fibre
IEC 60794-1-1	Optical fibre cables-part 1-1: Generic specification-General
IEC 60794-1-2	Optical fibre cables-part 1-2: Generic specification-Basic optical cable test procedure

1.3 Applications Environment

Item	Value

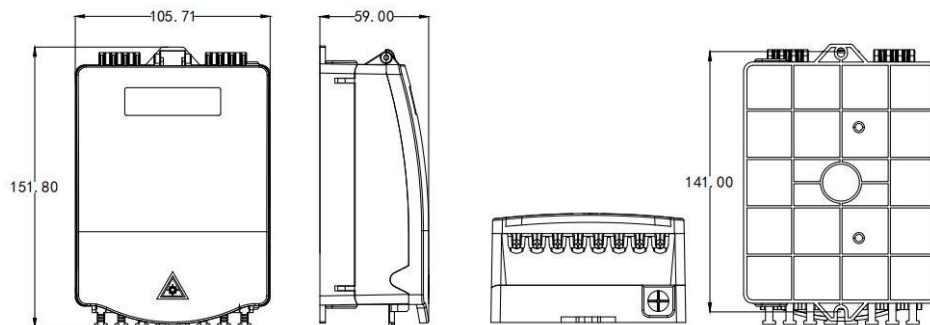| Operation temperature	-40 ℃～+65 ℃
Installation temperature	-5 ℃～+40 ℃
Storage temperature	-40℃～+65 ℃
Atmospheric pressure	70～106Kpa
Relative humidity	≤93％(+40℃)

2. Characteristics

- Total enclosed structure.
- Material: PC+ABS，wet-proof、water-proof、dust-proof、anti-aging, protection level up to IP54。
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
- Cable，pigtails，patch cords are running through own path without disturbing each other, cassette type SC adaptor installation, easy maintenance.
- Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation.
- Cabinet can be installed by the way of wall-mounted .

3. Specifications

3.1 Mechanical specifications

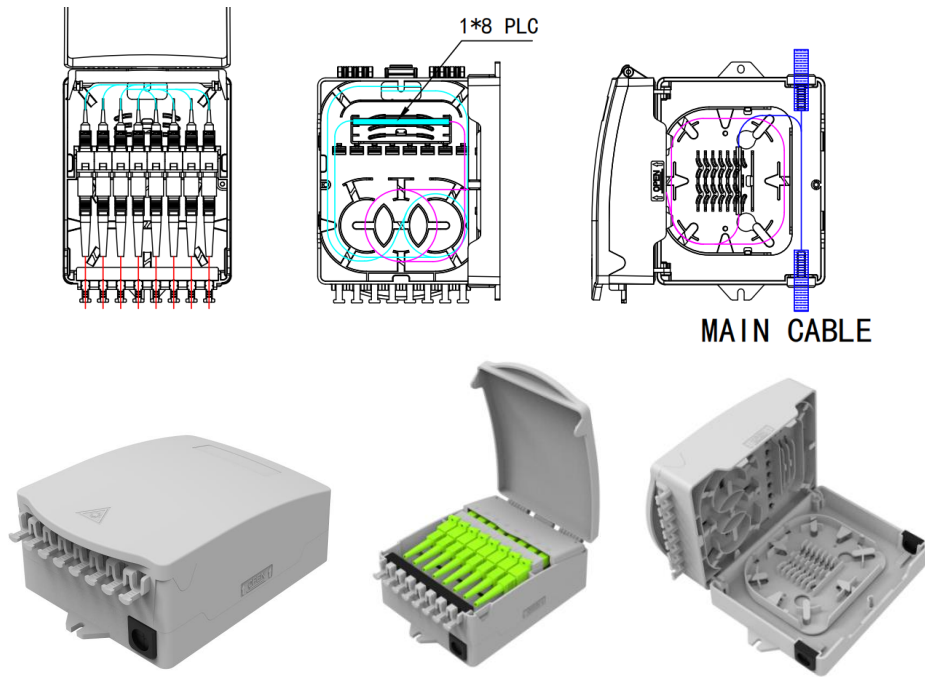| Item	Specifications	Remark
External dimension(mm)	151.8*105.7*59	
Installation hole position(mm)	141	
Color	PANTONE 428C	Customizable
Size and quantity of optical cable hole	Optical cable straight through without cutting	
Input type/type of output	SC adapter	
Capacity(Max)	12 cores	
Into the largest cable diameter (mm)	⌀12	
Cable outlet size(mm)	2*3~⌀5	
IP protection level	IP54	
Flammability	HB(Conventional)	can be customized according to requirements
Neutral salt spray test (NSS)	48 h	

4. Configuration

Main parts

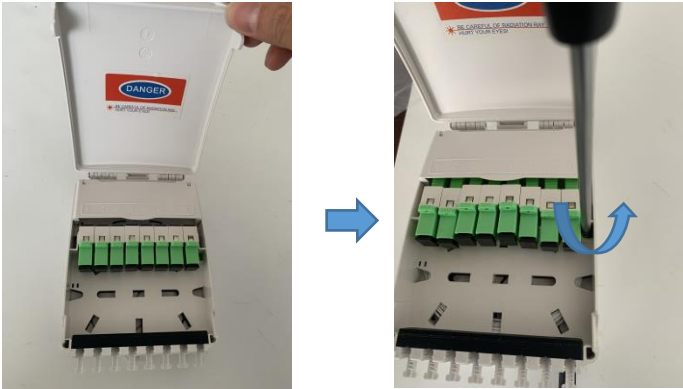| Part name	Unit	Quantity	Note
1*8 PLC Splitter	pcs	1	
SC adapter	pcs	8	

5.Product Picture

ALT-BOXVERT8H4-54 product picture

6. Installation Process

6.1 Opening the Closure

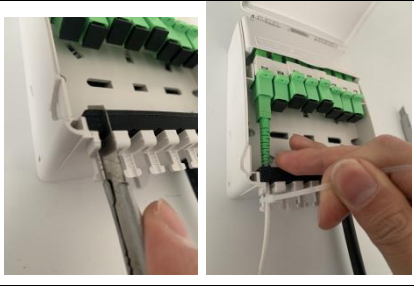Step 1 Open the upper cover and loosen the screws。

6.2 Install 1 * 8 PLC

Step 1 Remove the dust caps of adapters	Step 2 Insert the connectors.	Step 3 Remove the protective cover
Step 4 Route the pigtails in the splicing trays.		Step 5 Install the protective cover back

6.3 Strip, Lead in, and Secure Optical Cables

Step 1 Strip optical cable	Step 2 Cut rubber plug	Step 3 Lead in and Secure Round Type Cable
Step 4 Splice and Route Optical Fibers	Step 5 Strip the bare fiber to fiber core and splice the fiber with the pigtail.	

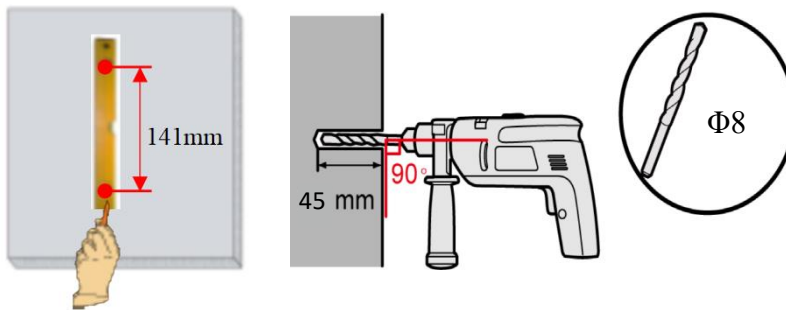| Step 6 Close the buckles and fasten the screw.	Step 7 Insert the patch cord into the adapter	Step 8 Fix the patch cord in the box

6.4 Close lid

Step 1 Close the buckles.

7.Environmental characteristics

This product complies with the RoHS environmental protection directive, and the content of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) does not exceed the limit.
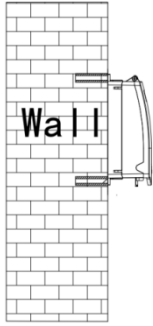
8. Wall-mounted installation

Step 1 Drill 2 holes on the wall according to the size shown in the drawing.

Step 2 Install the expansion bolts Φ8*40.

Step 3 Place the box to match up the holes and use screws to fasten
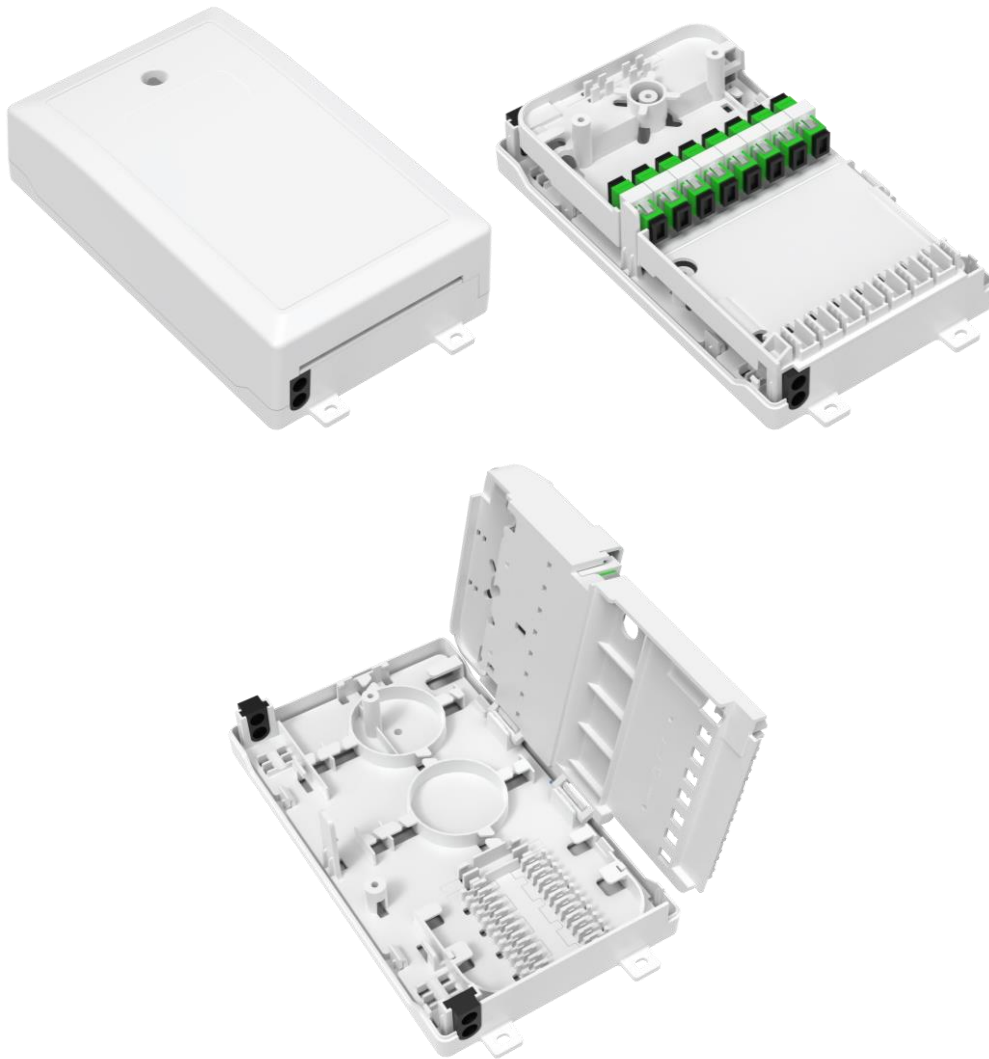
Wall mounted installation

9.Package

1 PC in a bubble bag，220*200mm；

1 PC in a small carton，160*110*65mm, gross weight is 0.35 kg；

50 PCS in a big corrugated carton，570*340*355 mm, gross weight is 18kg.

FAT-HGT-8ZT-3 Fiber Distribution Box

1、Description

FAT-HGT-8ZT-3 Fiber Distribution Box is the product used in FTTH network for different scene requirements of one lever split. The function of fiber splicing, termination, storage and scheduling can be provided. Splitter can be installed in the box. The box is the important device in fiber access network.

2、Specification

(1) Beautiful and compact model, convenient installation;
(2) Nontoxic for all the material;
(3) Non-corrosive for metal component;
(4) While activating user operation, insert the field assembly connector into the adaptor;
(5) Suitable for wall-mounted installation;
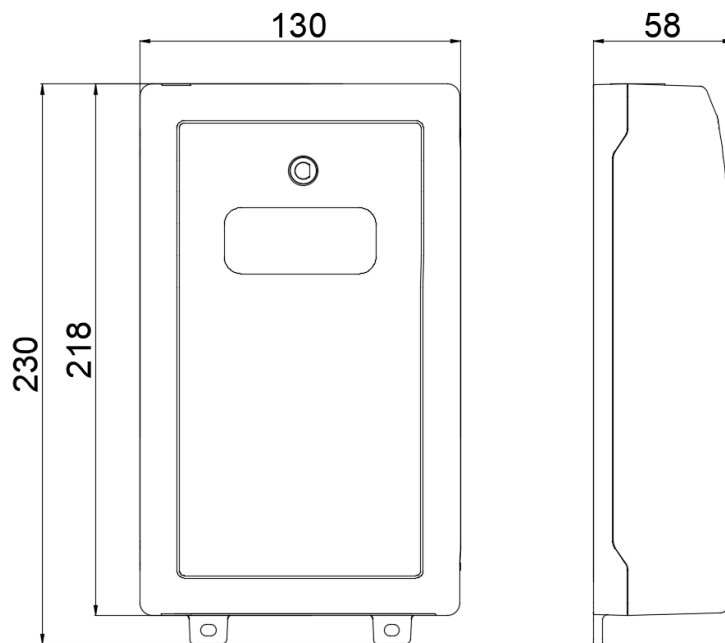(6) Neat fiber routing management;

3、Applications

1) FTTH access network

2) Telecommunication network

3) CATV networks

4) Data communications network

5) Local area networks

4、 Configuration Table

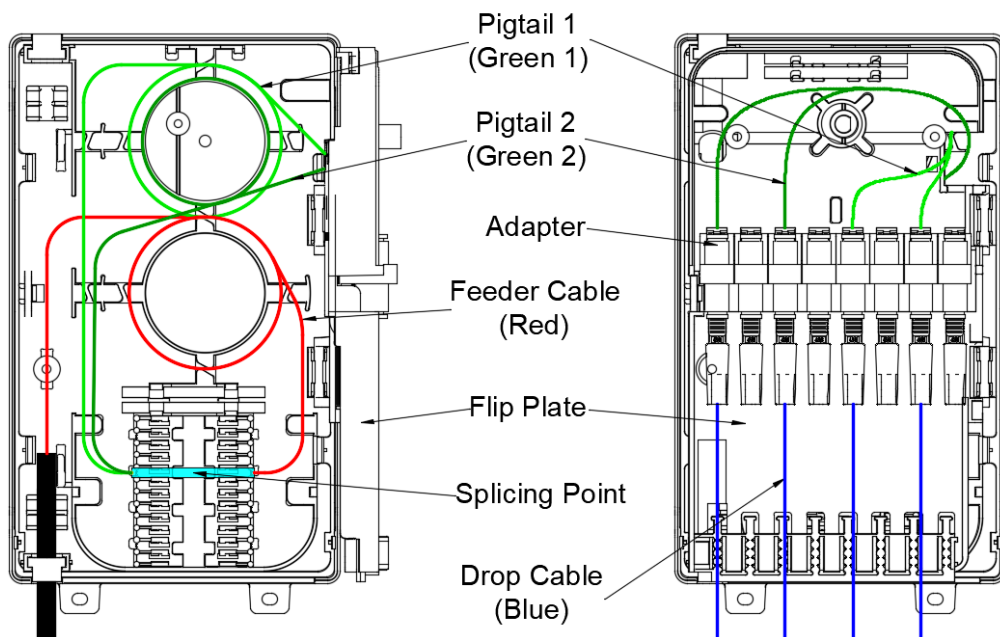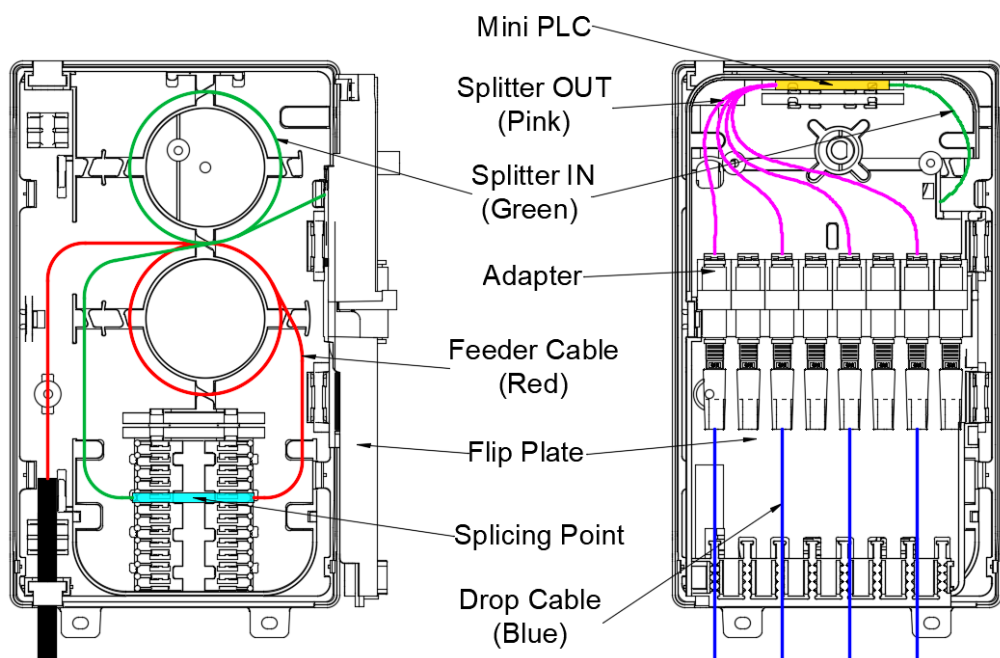| Model	FAB-HGT-8ZT-3
Installation Method	Wall-mounted
Color	Gray
Material	PC+ABS
Cable Ports	2 Ports (For main cable) + 8 Ports (For drop cable)
Capacity Of Splice Tray	1 Pc (24 Cores / Tray)
Adapter Ports (SC)	8 Pcs
Distribution cable Diameter	∅ 8~10mm
Size: H×W×D (mm) (Pic 1)	230×130×58

Table 1 Model and configuration

Pic 1

5、 Routing   (Pic 2, Pic 3)

Distribution Type

Pigtail 1 (Green 1)

Pigtail 2 (Green 2)

Adapter

Feeder Cable (Red)

Flip Plate

Splicing Point

Drop Cable (Blue)

Pic 2

PLC Type

Mini PLC

Splitter OUT (Pink)

Splitter IN (Green)

Adapter

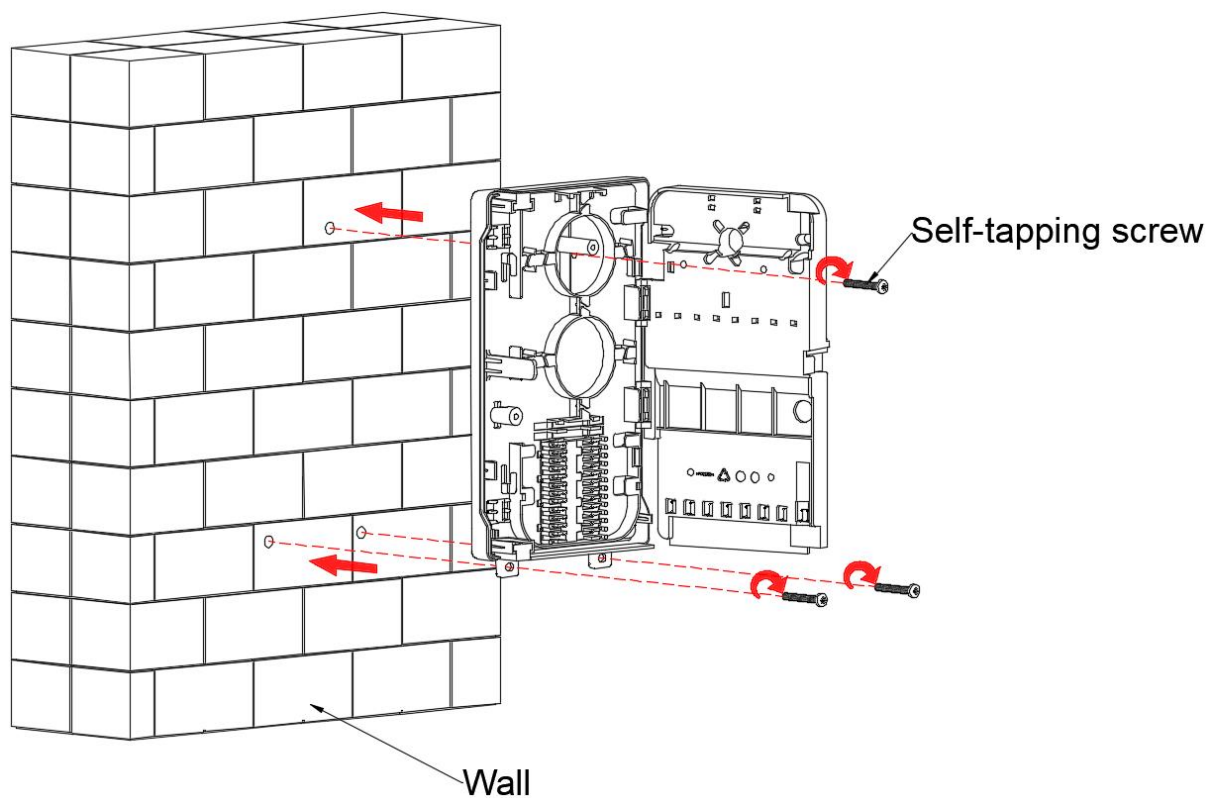Feeder Cable (Red)

Flip Plate

Splicing Point

Drop Cable (Blue)

Pic 3

6、Installation

Drill 3 holes into the wall based on the size, place the expansion bolt, place the box to match up the holes and use bolt to fasten. (Pic 4) .

Self-tapping screw

Wall

Pic 4

FAB-HGT-8ZX-4

1. General

1.1 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.

1.2 Standards Comply

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

ITU-T G.652	Characteristics of a single-mode optical fibre
IEC 60794-1-1	Optical fibre cables-part 1-1: Generic specification-General
IEC 60794-1-2	Optical fibre cables-part 1-2: Generic specification-Basic optical cable test procedure

1.3 Applications Environment

Item	Value
Operation temperature	-40 ºC～+65 ºC

Installation temperature	-5 ºC～+40 ºC
Storage temperature	-40ºC～+65 ºC
Atmospheric pressure	70～106Kpa
Relative humidity	≤93％(+40℃)

2. Characteristics

- Total enclosed structure.
- Material: PC+ABS，wet-proof、water-proof、dust-proof、anti-aging, protection level up to IP54。
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
- Cable，pigtails，patch cords are running through own path without disturbing each other, cassette type SC adaptor installation, easy maintenance.
- Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation.
- Cabinet can be installed by the way of wall-mounted .

3. Specifications

3.1 Mechanical specifications

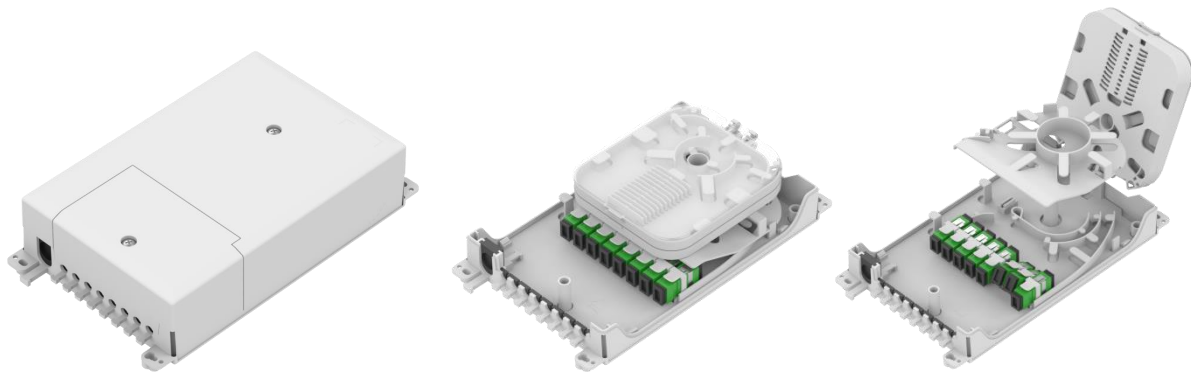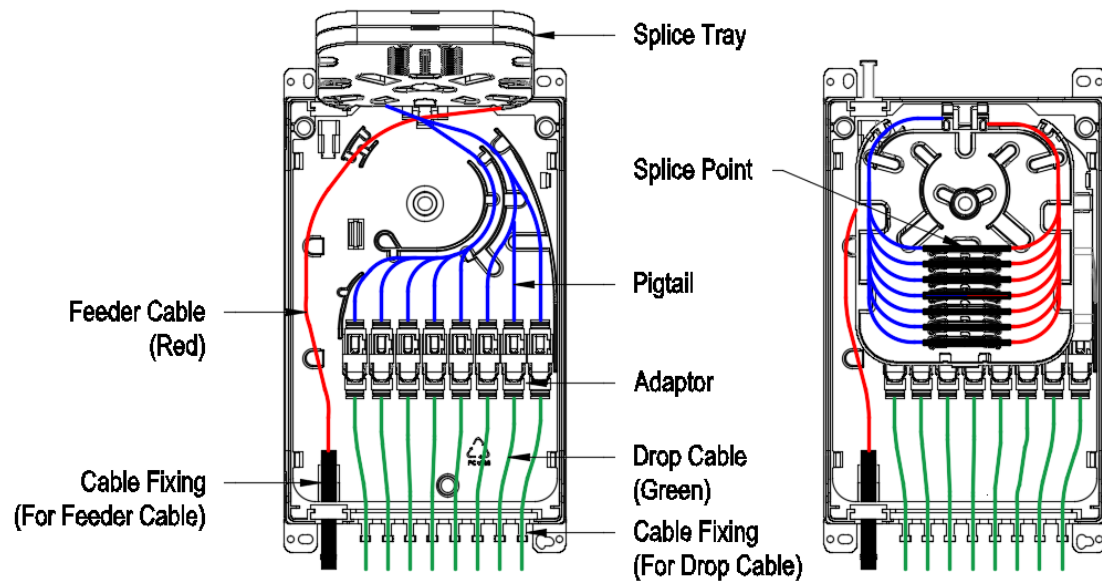| Item	Specifications	Remark
External dimension(mm)	151.8*105.7*59	
Installation hole position(mm)	141	
Color	PANTONE 428C	Customizable
Size and quantity of optical cable hole	Optical cable straight through without cutting	
Input type/type of output	SC adapter	
Capacity(Max)	12 cores	
Into the largest cable diameter (mm)	⌀12	
Cable outlet size(mm)	2*3~⌀5	
IP protection level	IP54	
Flammability	HB(Conventional)	can be customized according to requirements
Neutral salt spray test (NSS)	48 h	

4. Configuration

Main parts

Part name	Unit	Quantity	Note
1*8 PLC Splitter	pcs	1	
SC adapter	pcs	8	

5.Product Picture

Splice Tray

Splice Point

Pigtail

Feeder Cable
(Red)

Adaptor

Cable Fixing
(For Feeder Cable)
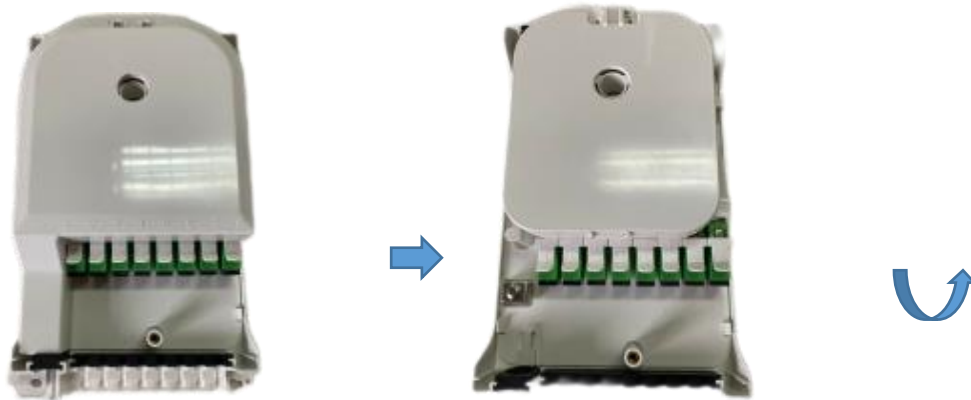
Drop Cable
(Green)

Cable Fixing
(For Drop Cable)

ALT-BOXVERT8H4-54 product picture

6. Installation Process

6.1 Opening the Closure

Step 1 Open the upper cover and loosen the screws。

6.2 Install 1 * 8 PLC

Step 1 Remove the dust caps of adapters	Step 2 Insert the connectors.	Step 3 Remove the protective cover

Step 4 Route the pigtails in the splicing trays.		Step 5 Install the protective cover back

6.3 Strip, Lead in, and Secure Optical Cables

Step 1 Strip optical cable	Step 2 Cut rubber plug	Step 3 Lead in and Secure Round Type Cable

Step 4 Splice and Route Optical Fibers	Step 5 Strip the bare fiber to fiber core and splice the fiber with the pigtail.	
Step 6 Close the buckles and fasten the screw.	Step 7 Insert the patch cord into the adapter	Step 8 Fix the patch cord in the box

6.4 Close lid

Step 1 Close the buckles.

7.Environmental characteristics

This product complies with the RoHS environmental protection directive, and the content of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) does not exceed the limit.

8. Wall-mounted installation

Step 1 Drill 2 holes on the wall according to the size shown in the drawing.

141mm

45 mm   90°   Φ8

Step 2 Install the expansion bolts Φ8*40.

Step 3 Place the box to match up the holes and use screws to fasten

Wall mounted installation

9.Package

1 PC in a bubble bag, 220*200mm ；
1 PC in a small carton, 160*110*65mm, gross weight is 0.35 kg ；

50 PCS in a big corrugated carton，570*340*355 mm, gross weight is 18kg.

FAB-HGT-16A Fiber Distribution Box

1、Description：

FAB-HGT-16A Fiber Distribution Box provides a high density wall mounted solution for next generation networks, which aims to provide and manage maximum numbers of fiber termination in a limited space. It is normally installed in the way of wall mounting or pole mounting.

2、Specification：

1) Water-proof design with IP65 Protection grade.

2) Integrated with splice cassette and cable management system.

3) Manage fibers in a reasonable fiber radius condition.

4) Fiber bend radius control more than 35mm.

5) 1 uncut cable port for feeder cables.

6) Fixed hermetic seals in all its grooves

7) The entire fiber route protected by transport tube

8) Complete opening of the hinges with stop included

9) Protected and organized pigtail space

10) Support customized services such as logo screen printing.

3、Configuration Table

Model	FAB-HG-16A
Size (Pic 1)	H×W×D = 304×185×115 (MM)
Material	PC+ABS
Color	Black/White/Gray(Customizable)
Splice Capacity	36 Cores
Splitter Capacity	2 Sets
Splitter Type	SC, Mini Type, 1:2 / 1:4 / 1:8
Adapter Type	SC/APC
Adaptor Capacity	18 Pcs
Incoming Cable Port	2x(Φ10~14mm), 1x Mid-span 10~14mm
Drop Cable Port	16 Ports
Installation Method	Wall, Pole Mounted
Operating tempertaure	-10~+70℃
Life time	25 years

Table 1 Model and configuration

Pic 1

4、**Routing**（Pic 2~3）

Feeder Cable

Cable Fixing

Splice Tray

Splicing Sleeve

Pigtail
(Blue)

Pic 2

Pigtail

Adaptor

Drop Cable
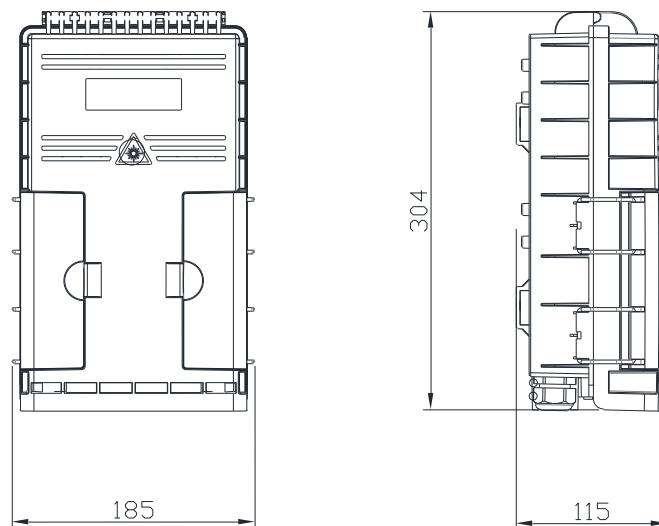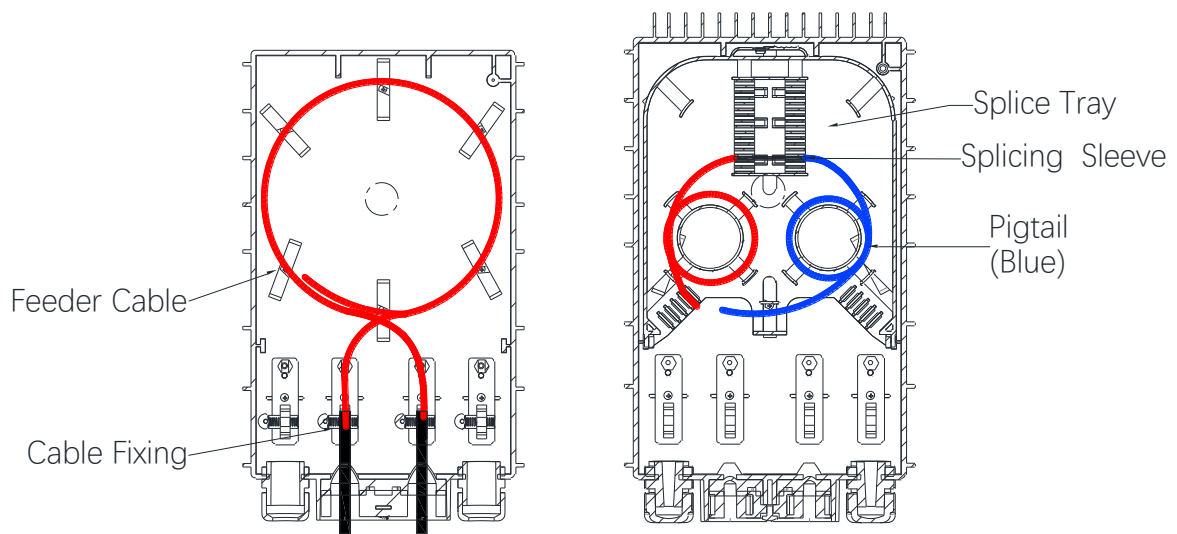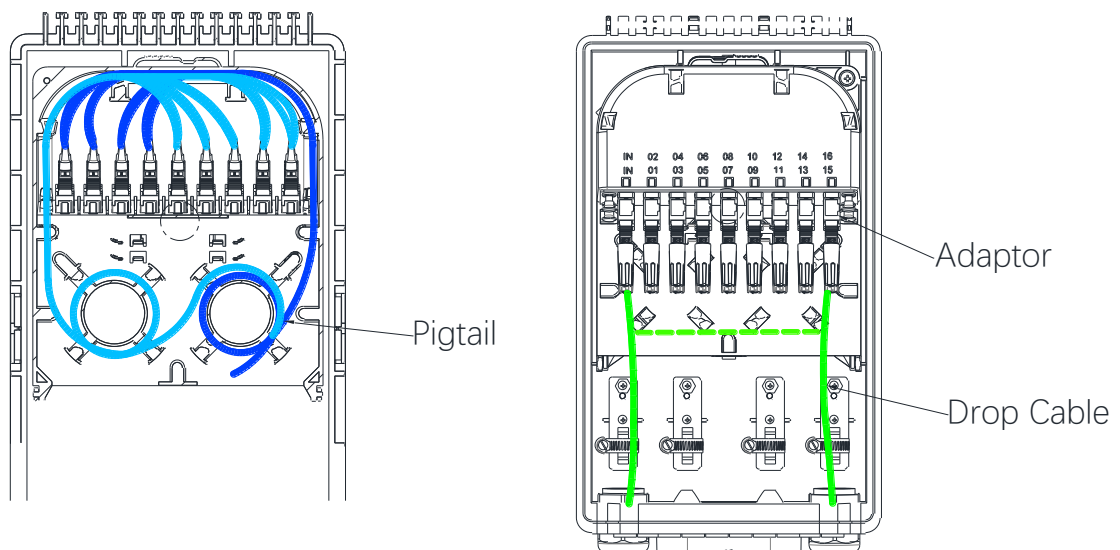
Pic 3

5、**Installation**

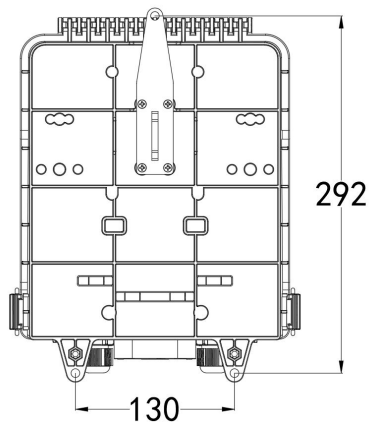5.1 Wall-mounted installation

Drill 4 holes in the wall according to the installation size，place the expansion bolt，place the box to match up the holes and use bolt to fasten (Pic 4) .

5.2 Pole-mounted installation

Fix 2 set of the hose clamps to the telecom pole .（Pic 5）

Expansion Bolt

WALL
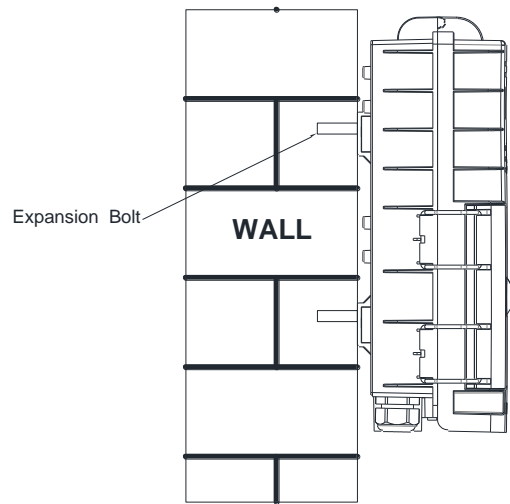
Pic 4
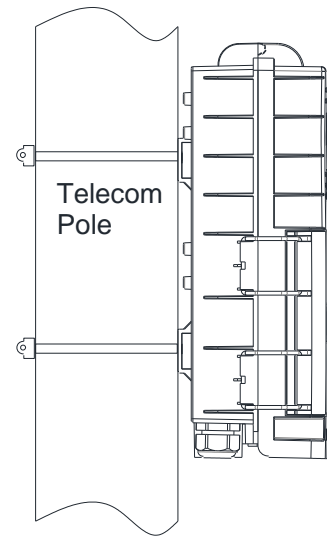
Telecom
Pole

Pic 5

FAT-8L/16L Fiber Distribution Box
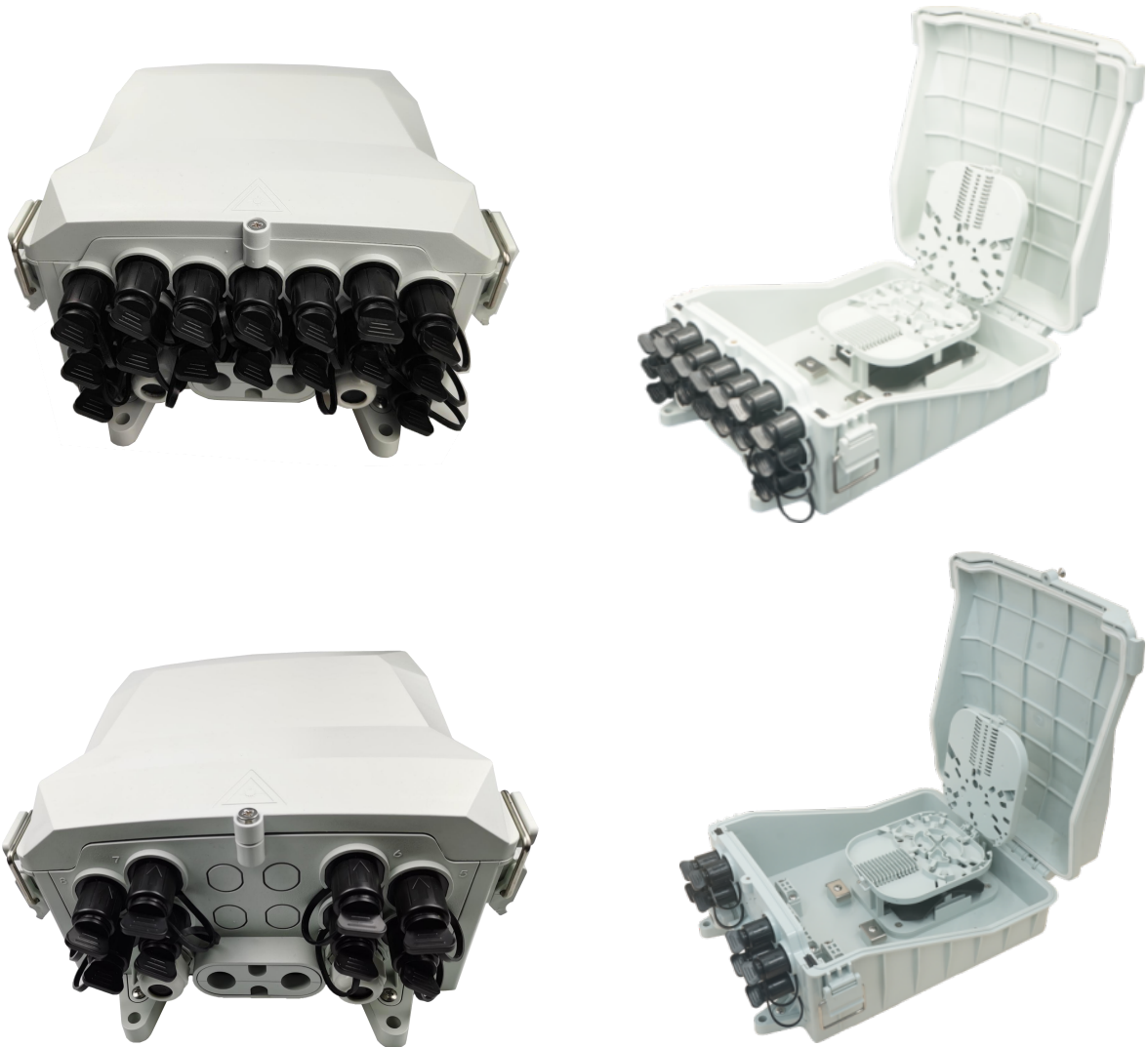
1、Description：

FAT-8L/16L Fiber Distribution Box is used as a terminal point for the feeder cable to connect with drop cable in telecommunication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides protection and management for the FTTx network building.Especially the bottom plate is changeable.

2、Specification：

1) The cable entry uses cable gland to provide protection at the bottom.

2) 8/16 cores fibre termination capacity

3) Support wall , pole mount.

4) Protection Grade : IP65

5) All the metallic components, parts and accessories are protected against corrosion and various forms of localized corrosion.

3、 Applications

1) FTTH access network

2) Telecommunication network

3) CATV networks

4) Data communications network

5) Local area networks

4、 Configuration Table

Model	FAT-8L/16L
Size (Pic 1)	H×W×D = 306×237×116 (MM)
Material	PC+ABS
Color	Black /Gray
Splice Capacity	24 Cores
Minimum fiber bending	$\geqq$ 30mm
Adapter Type	SC
Adaptor Capacity	8/16 Pcs
Installation Method	Wall / Pole-mounted
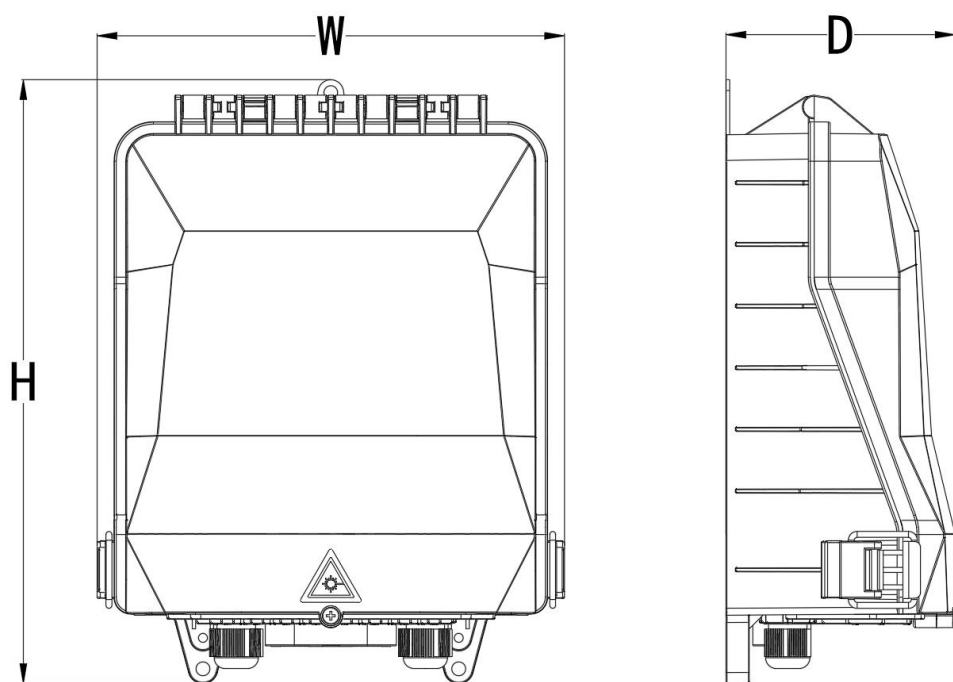
Table 1 Model and configuration

Pic 1

5、Routing（Pic 2,3）

① 16 Core   Distribution Type   ① 8 Core

■ MAIN CABLE

Pic 2

② 16 Core   Splitter Type   ② 8 Core

■ MAIN CABLE

Pic 3

6、Installation

6.1 Wall-mounted installation

    Drill 3 holes in the wall according to the installation size，place the expansion bolt，place the box to match up the holes and use bolt to fasten (Pic 4,5) .
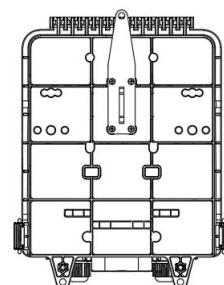
292

130

Pic 4

6.2 Pole-mounted installation

    Fix 1 set of the hose clamps to the telecom pole .（Pic 6）

WALL

TELECOM POLE

POLE RING (OPTIONAL)
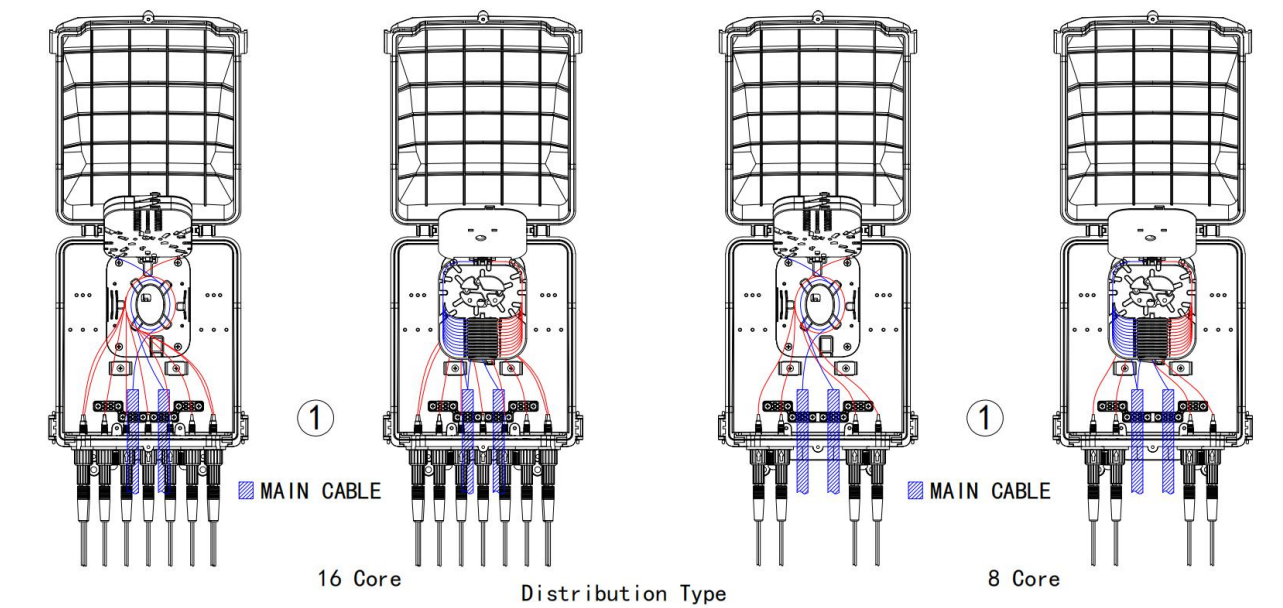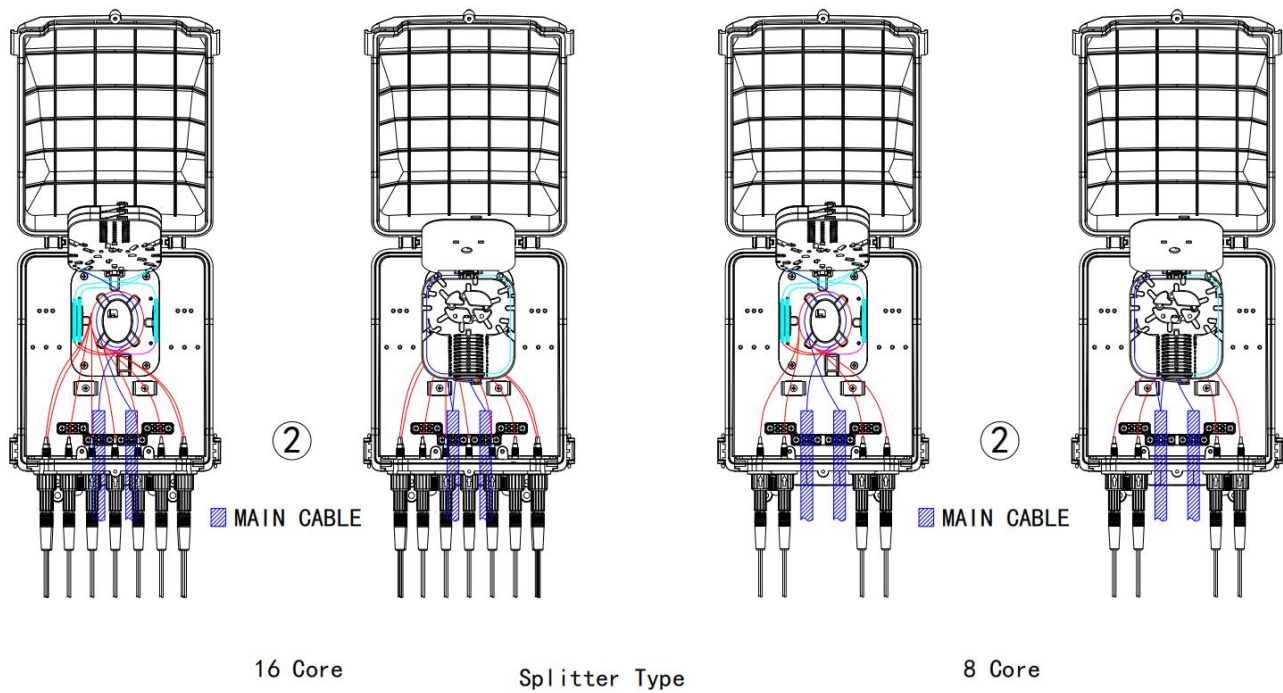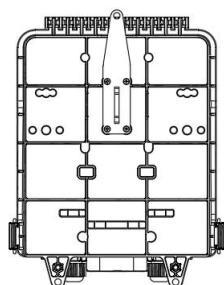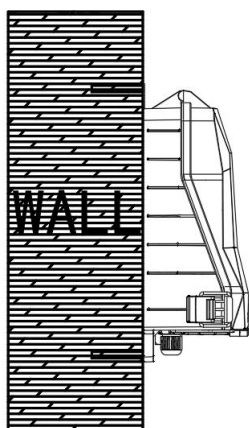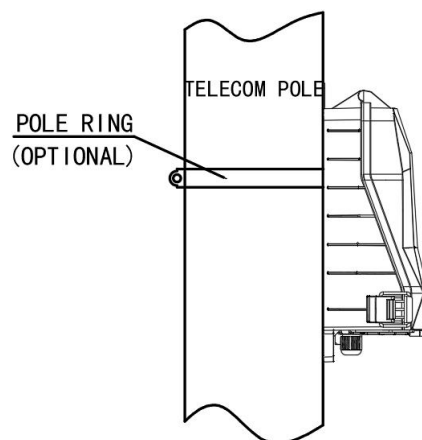
Pic 5   Pic 6

FAT-8T

Safety Information

■ **Following All Safety Precautions**

Before any operation, read the instructions and precautions in this document carefully to minimize the possibility of accidents. The Caution and Note items in the documents do not cover all the safety precautions that must be followed. They only provide the generic safety precautions for operations. When operating Huawei products and equipment, you must comply with safety precautions and special safety instructions related to corresponding equipment provided by Huawei. The safety precautions in the document are related to only Huawei products. Huawei is not liable for any consequence that results from the violation of universal regulations for safety operations and safety codes on design, production, and equipment use.

■ **Complying with the Local Safety Regulations**

When operating the device, comply with the local safety regulations.

■ **Qualified Personnel Only**

The personnel in charge of installation and maintenance must be trained and master the correct operating methods and safety precautions before beginning work.

■ **Symbols**

⚠ CAUTION	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
📖 NOTE	Provides additional information to emphasize or supplement important points of the main text.

■ **Safety of Personnel**

When handling optical fibers, do not stand close to, or look into the optical fiber outlet without eye protection.
Protect yourself when drilling holes. Flying dust may hurt your eyes or you may inhale the dust.
When working at a height, be cautious about falling objects.

Installation Tools

Marker	Level	Phillips screwdriver (M3–M6)	Measuring tape (3 m)
Hammer drill	Drill bit (?6 mm)	Diagonal pliers	Protective gloves
Aramid knife	Stripping tool	Splicing tool	Rubber hammer

1 Installing the FDB

1 Mark the installation position and use a level to make the FDB horizontal.

Level

2 Drill holes on the wall and hammer the raw plugs into the holes with a rubber hammer.
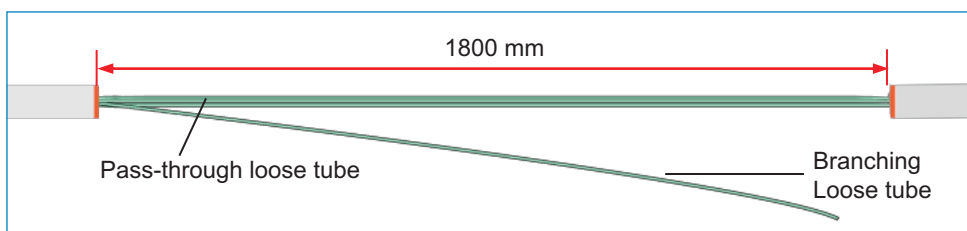
Unit: mm

Ø6

30-35   90°
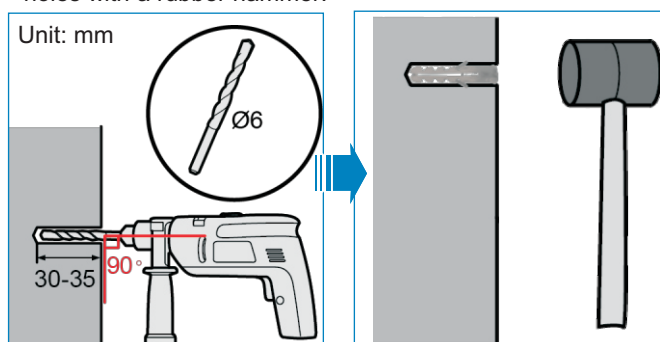
3 Tighten four tapping screws to secure the FDB to the wall.

2 Stripping, Routing, Securing and Terminating the Riser Cable

a Stripping the Riser Cable

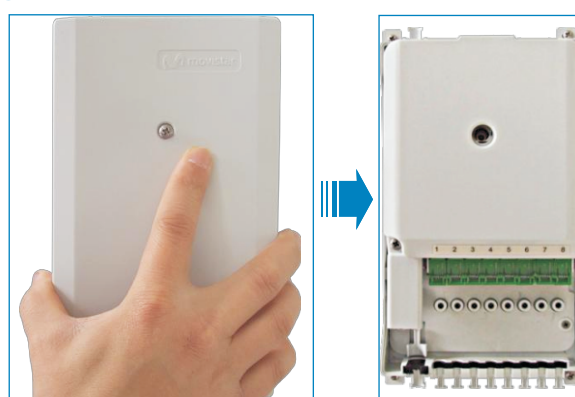Strip the riser cable. The recommended stripping length is 1800 mm.

1800 mm

Pass-through loose tube

Branching Loose tube

📖 **NOTE**

1. Reserve 50 mm long aramid and cut off the other part.
2. Twist the aramid for ease of securing.

b Opening the FDB

1 Loose the captive screw.

2 Remove the cover.

2 Stripping, Routing, Securing and Terminating the Riser Cable

b Opening the FDB

③ Loose the captive screw and remove the middle cover.
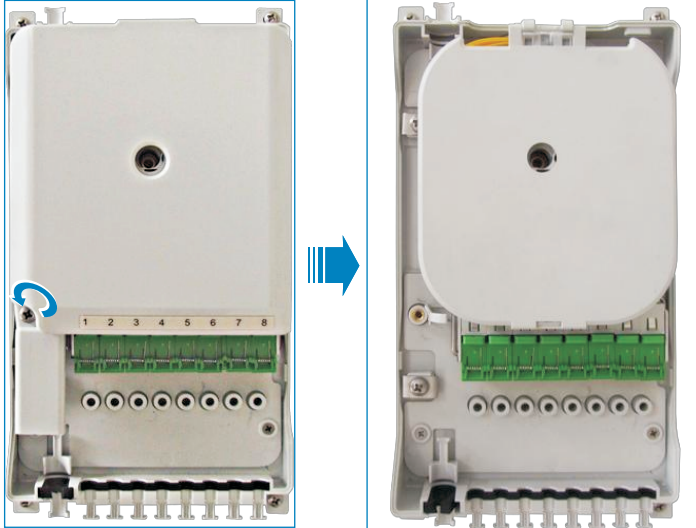
④ Open the splice tray and pass-through tray .
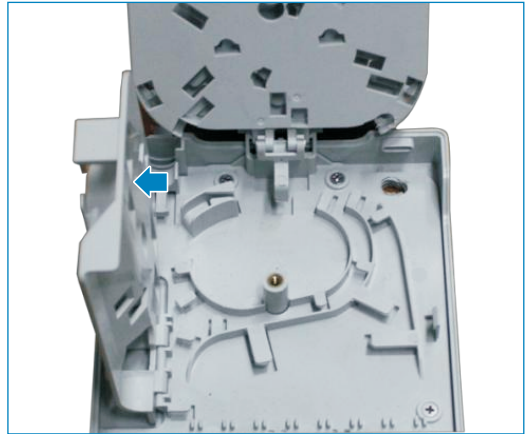
c Installing Pigtails

① Take out the pigtails from its package.
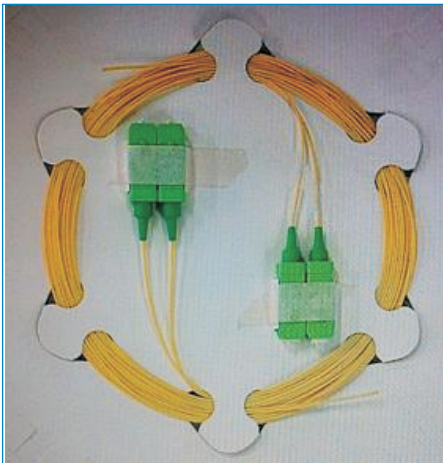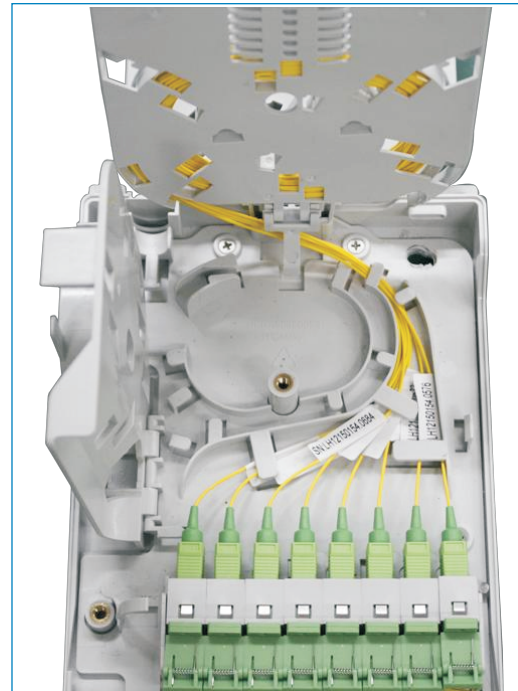

② Insert the pigtails into the adapter ports.

📖 **NOTE**

Insert the pigtails into the adapter ports from left to right. Up to 8 pigtails can be inserted.
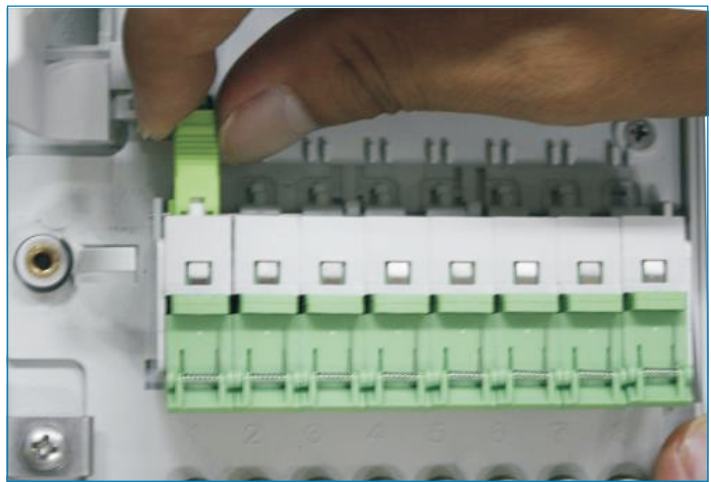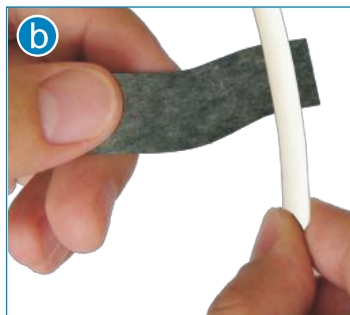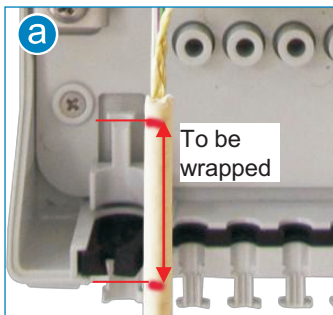
2 Stripping, Routing, Securing and Terminating the Riser Cable

③ Route the pigtails into the upper splicing tray.

d1 Routing the Riser Cable in and out from the Bottom

① If the diameter of the riser cable is less than 10 mm, wrap it with a foam tape until the diameter is 12.5 mm. Otherwise, skip this step. a) Determine where to be wrapped. b) Wrap the cable.
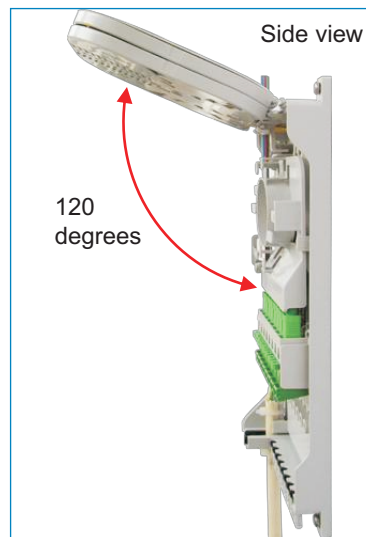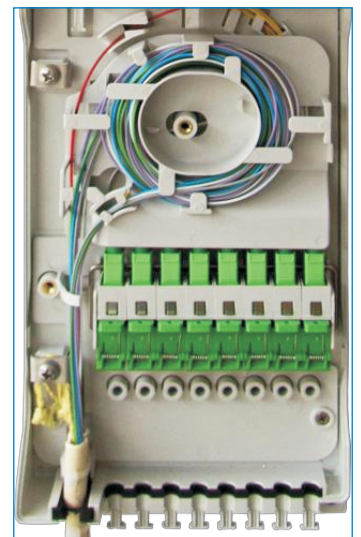
② Route in the riser cable.

a

To be wrapped

b
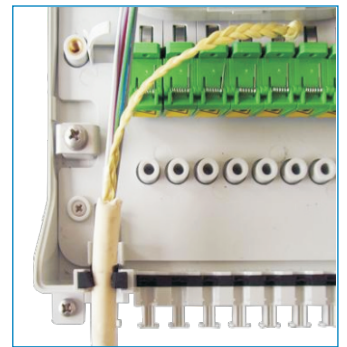
③ Secure the cable and the aramid.
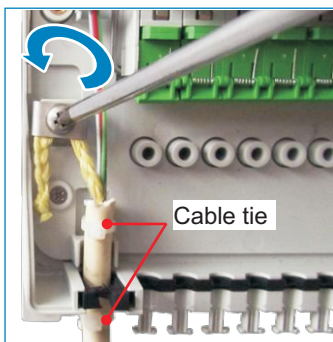
④ Unfold all splicing trays upwards to the self-locked position at 120 degrees.

⑤ Store the straight-through tubes.

Cable tie


Side view

120 degrees

📖 **NOTE**

After securing the aramid, place it to the position shown in the right figure.
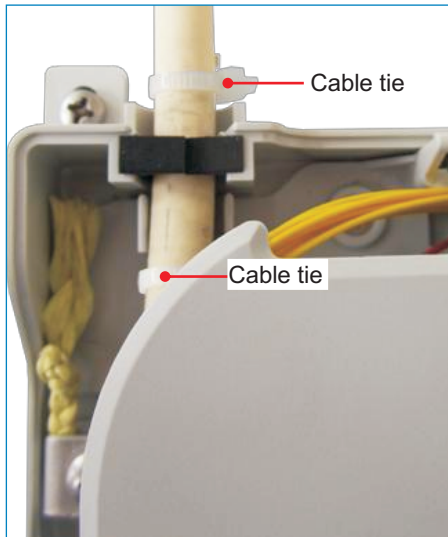
2 Stripping, Routing, Securing and Terminating the Riser Cable

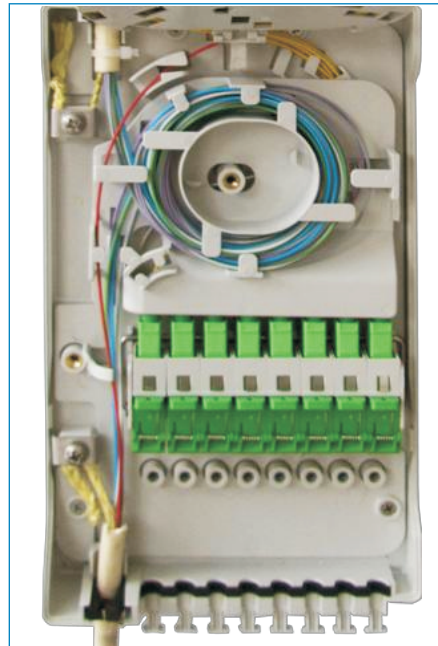## d2 Routing the Riser Cable in from the Bottom and out from the Top

① Lead in and secure the riser cable as previous steps. Remove the sealing rubber for riser cable and knock down hole board.

② Unfold the splicing trays and route the riser cable out of the FDB.
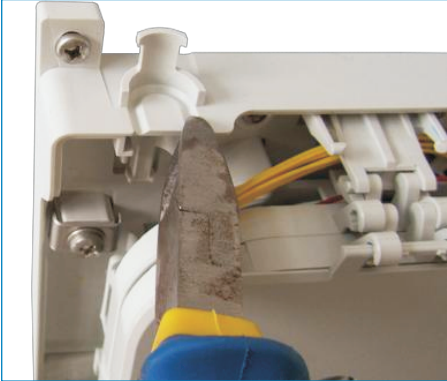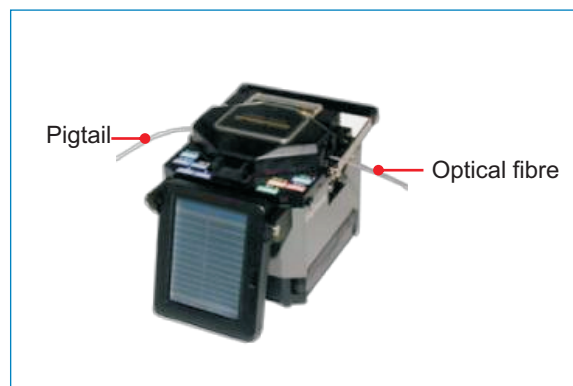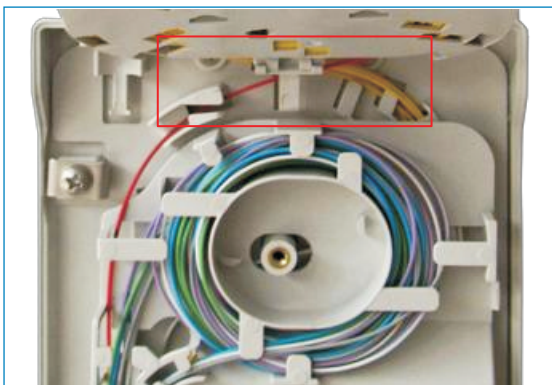

③ Secure the aramid and the cable.

Cable tie

Cable tie

④ Store the straight-through tubes.

e Terminating the Rise Cable
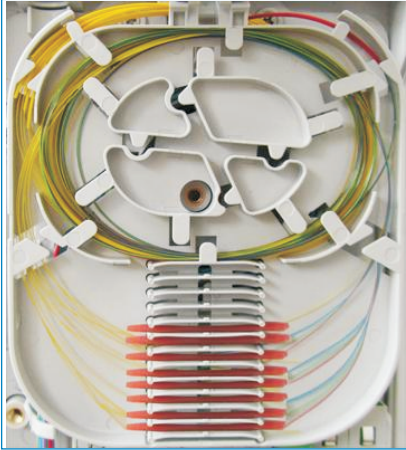
① Route the loose tube of riser cable into the splicing tray.

② Strip optical fibre and pigtail, splice the optical fibre with the pigtail.

Pigtail

Optical fibre

2 Stripping, Routing, Securing and Terminating the Riser Cable

e Terminating the Riser Cable

③ Store the fibres as shown in the following figure.
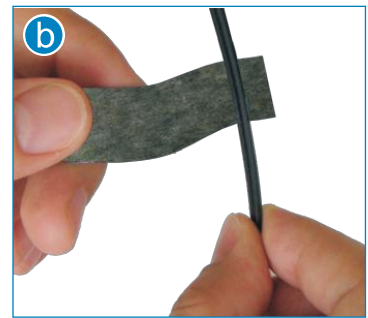

④ Reinstall the middle cover.

3 Connecting the Preconnectorised Cable

① Rotate the adapter.

② If the drop cable is a flat cable, warp it with a foam tape until the diameter is 5 mm. Otherwise, skip this step. a) Determine where to be wrapped. b) Wrap the cable.

To be wrapped

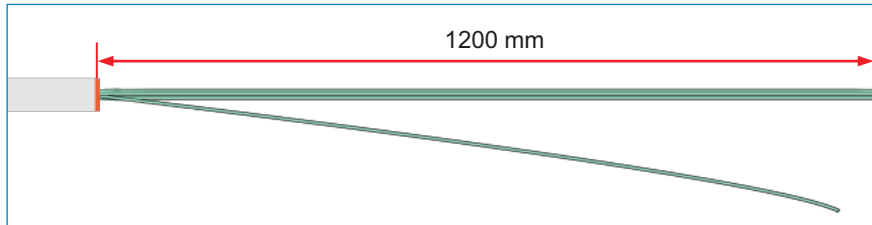③ Connect and secure the pre-connectorised cable.

④ Install the cover.

Appendix: Connecting the Straight-through Riser Cable

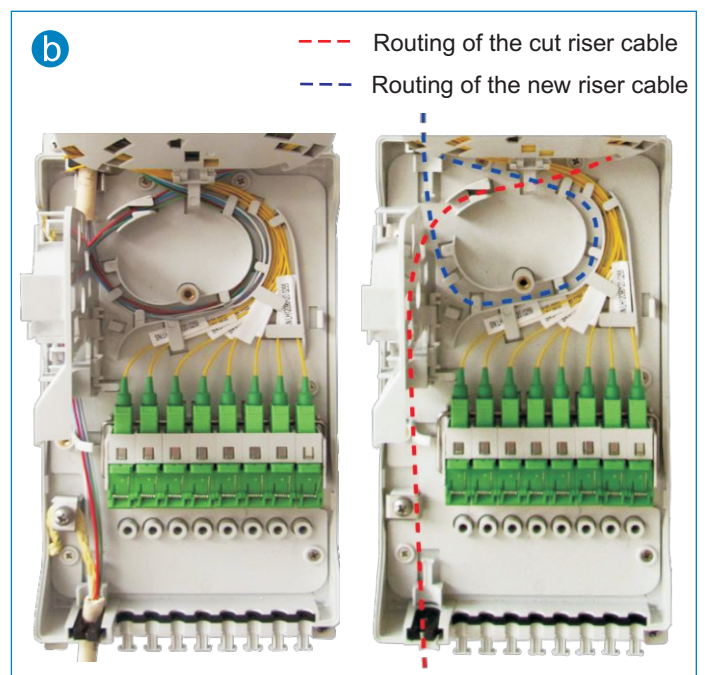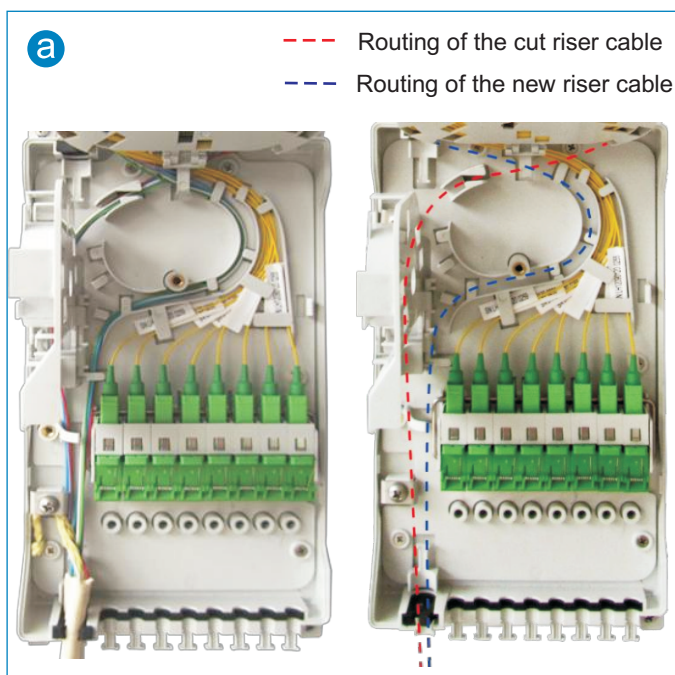**1** Strip a new riser cable. The recommended stripping length is 1200 mm.

1200 mm

2 Cut off the faulty riser cable and lead in a new riser cable. a) Lead in the new riser cable from the bottom. b) Lead in the new riser cable for the top.

📖 **NOTE**

Lead in a new riser cable from the same leading-in hole of the cut faulty cable.

a
- – – – Routing of the cut riser cable
- – – – Routing of the new riser cable

b
- – – – Routing of the cut riser cable
- – – – Routing of the new riser cable

FAT-16M/24M Fiber Distribution Box

1、Description：

FAT-16M/24MFiber Distribution Box is used as a terminal point for the feeder cable to connect with drop cable in telecommunication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides protection and management for the FTTx network building.Especially the bottom plate is changeable.

2、Specification：

1) The cable entry uses cable gland to provide protection at the bottom.

2) 16/24 cores fibre termination capacity

3) Support wall , pole mounting.

4) Protection Grade : IP65

5) All the metallic components, parts and accessories are protected against corrosion and various forms of localized corrosion.
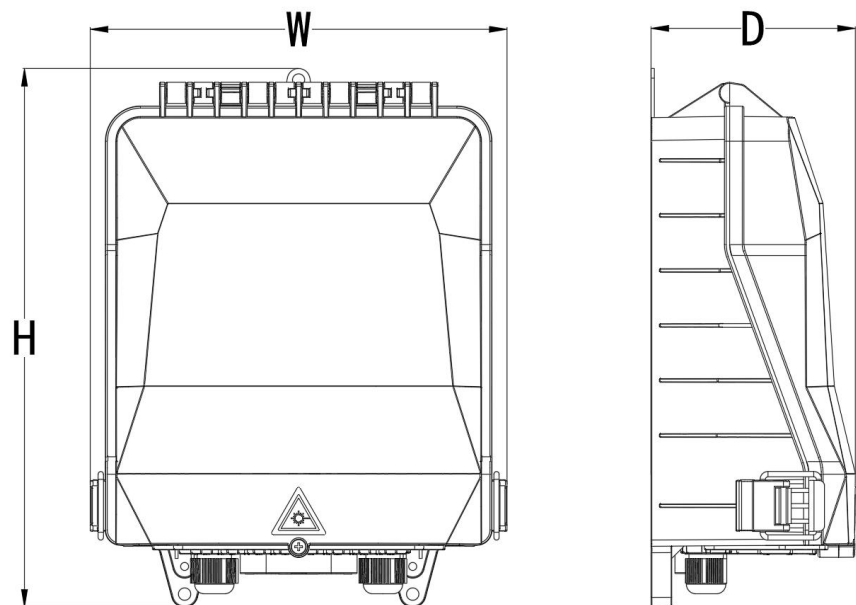
3、Applications

1) FTTH access network

2) Telecommunication network

3) CATV networks

4) Data communications network

5) Local area networks

4、Configuration Table
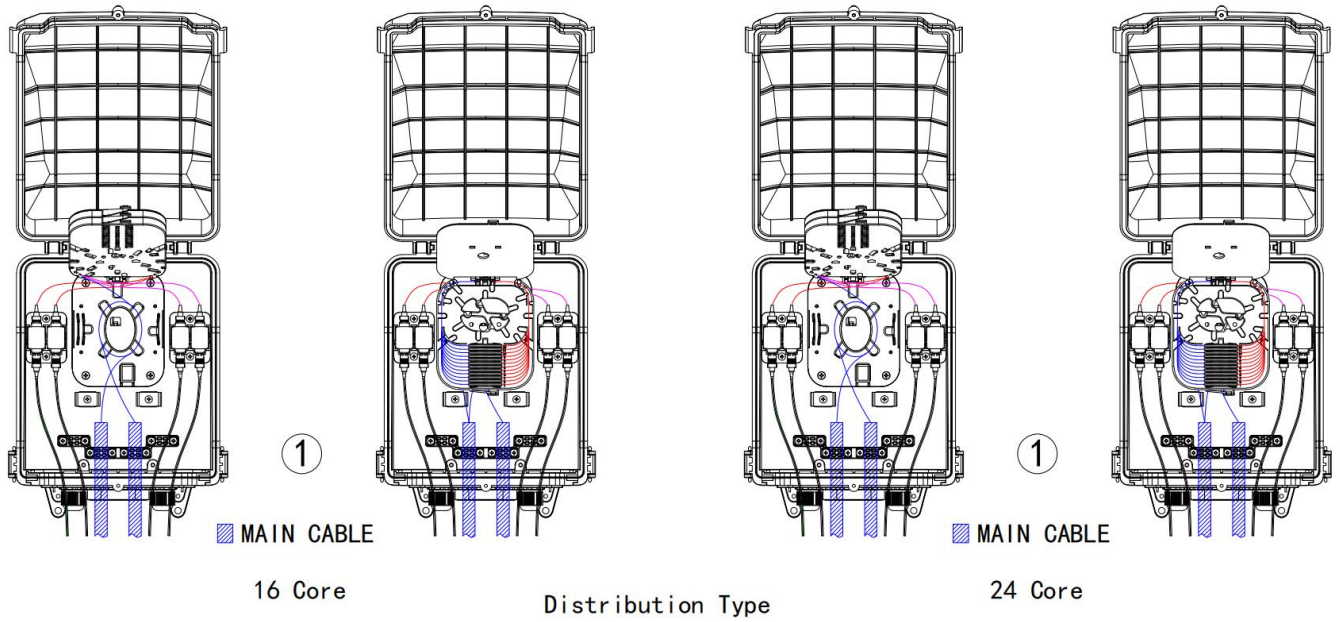
Model	FAT-16M/24M
Size (Pic 1)	H×W×D = 306×237×116 (MM)
Material	PC+ABS
Color	Black /Gray
Splice Capacity	24 Cores
Minimum fiber bending	≧ 30mm
Adapter Type	SC
Adaptor Capacity	16/24 Pcs
Installation Method	Wall / Pole-mounted

Table 1 Model and configuration

Pic 1

5、Routing（Pic 2,3）

MAIN CABLE

16 Core   Distribution Type   24 Core

Pic 2

MAIN CABLE

16 Core   Splitter Type   24 Core
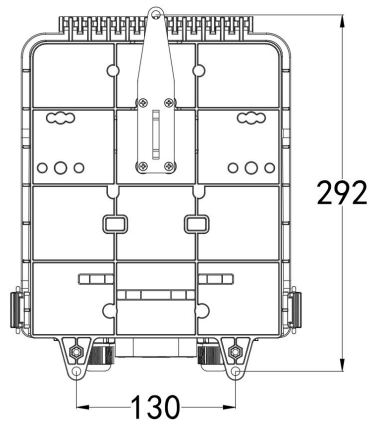
Pic 3
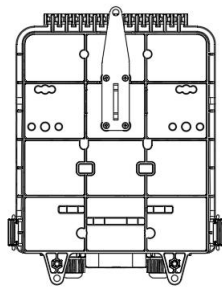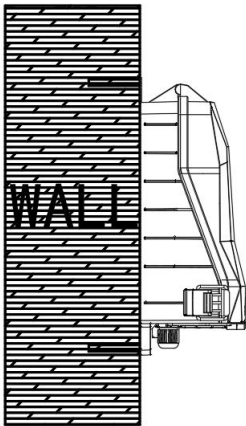
6、Installation

   6.1 Wall-mounted installation

      Drill 3 holes in the wall according to the installation size，place the expansion bolt，place the box to match up the holes and use bolt to fasten (Pic 4,5) .
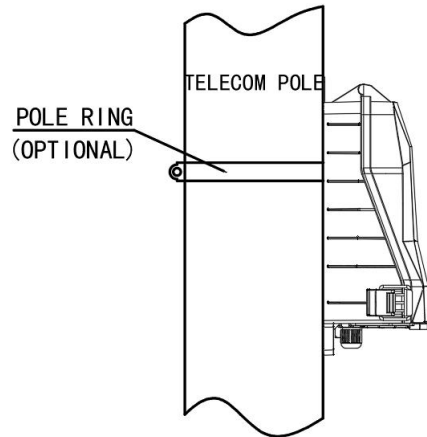
Pic 4
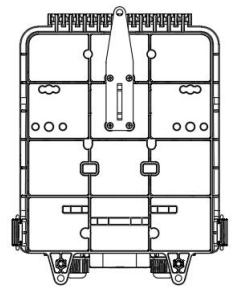
292

130

6.2 Pole-mounted installation

Fix 1 set of the hose clamps to the telecom pole .（Pic 6）

WALL

Pic 5

TELECOM POLE

POLE RING
(OPTIONAL)
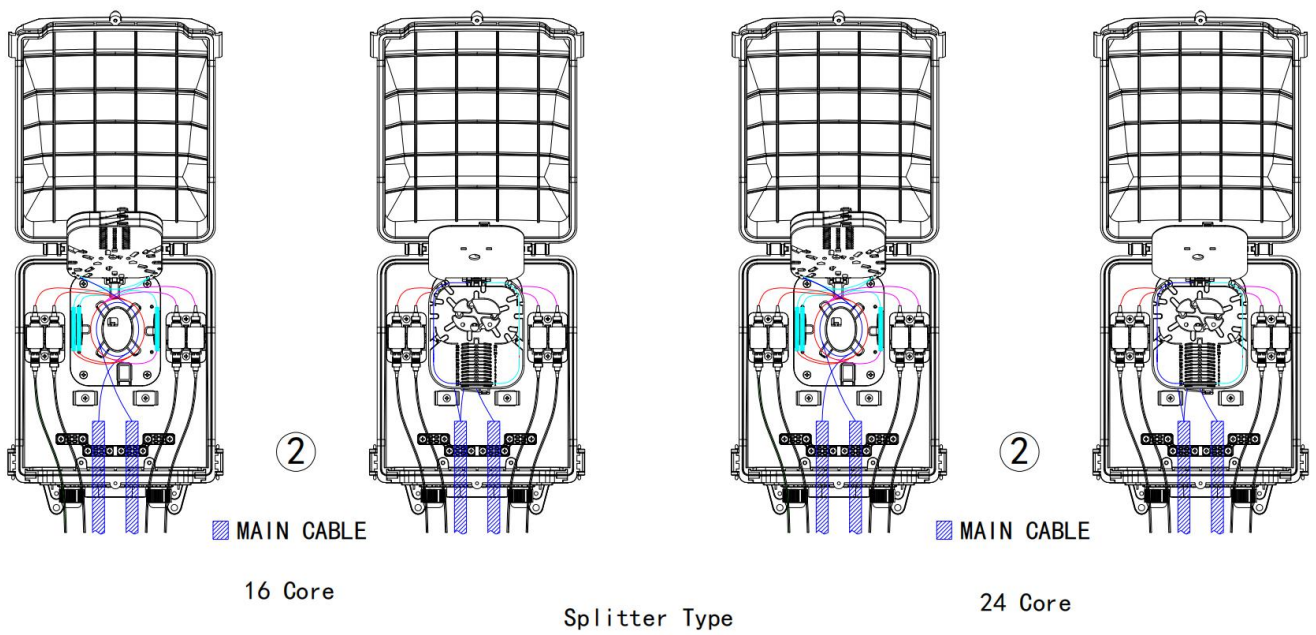
Pic 6

FAT-16T Fiber Distribution Box

1、Description

FAT-16T Fiber Distribution Box is is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

2、Specification

1) Anti-UV (Ultraviolet)

2) Multi-layer flip design, compact structure.

3) Cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation, easy maintenance.

4) Box can be installed by the way of wall-mounted , suitable for indoor use.

3、Applications

1) FTTH access network

2) Telecommunication network

3) CATV networks

4) Data communications network

5) Local area networks

4、Configuration Table

Model	FAT-16T
Installation Method	Wall-mounted
Color	Gray
Material	PC+ABS
Cable Ports	2 Ports (For main cable) + 16 Ports (For drop cable)
Capacity Of Splicing	16 Cores
Adapter Ports (SC)	16 Pcs
Splitter Type	1:8 Mini PLC
Size: H×W×D (mm)　(Pic 1)	223×133×55
Working Temperature	-40℃～+85℃
Relative Humidity	≤85% (+30℃)
Atmospheric Pressure	70KPa~106Kpa
Insertion Loss	≤0.25dB
Return Loss	≥50dB(UPC)；　≥55dB(APC)

Table 1 Model and configuration
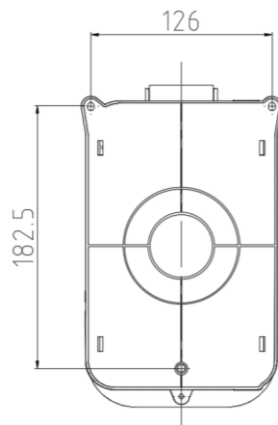
Pic 1
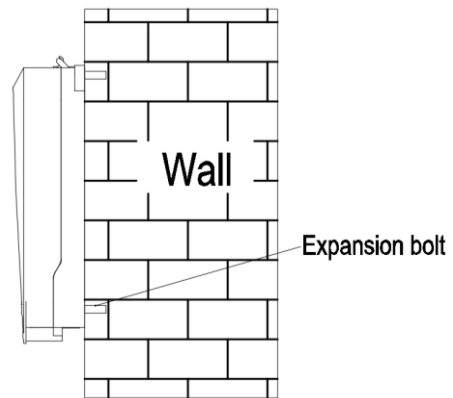
5、Routing (Pic 2)

Bottom Level   Top Level
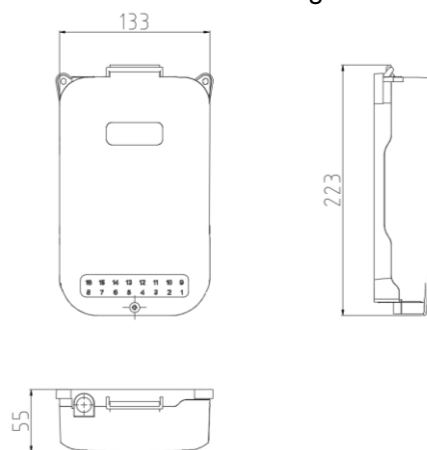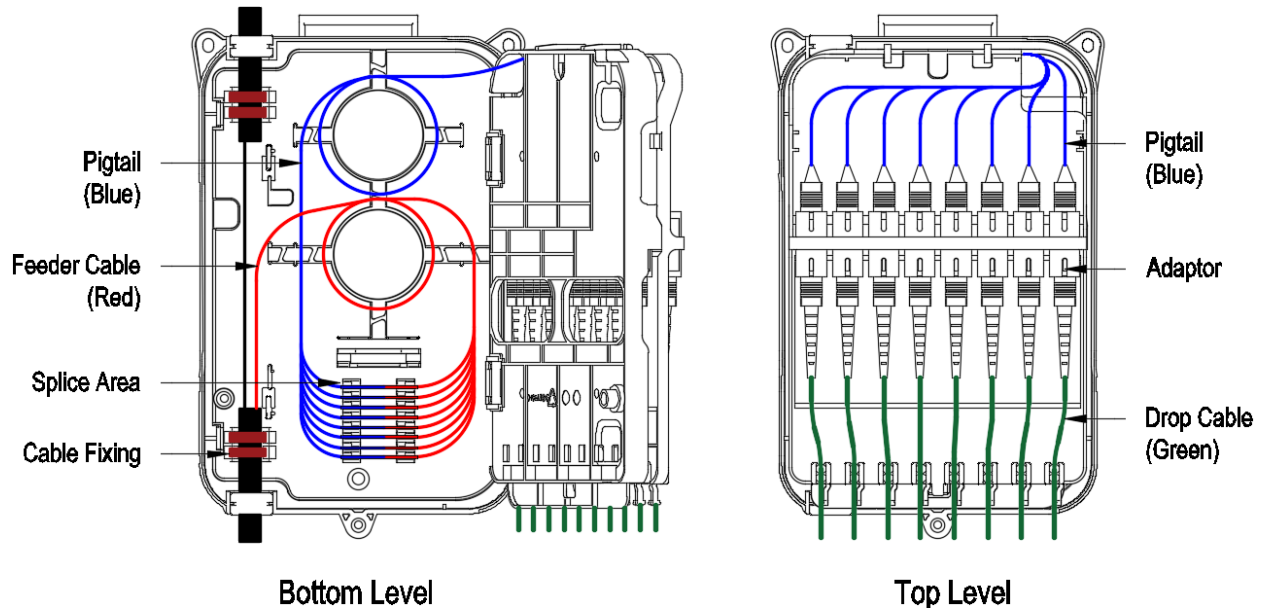
Pic 2

6、Installation

Place the Box on the wall and then mark the position of three installation holes (Pic 3) ,drill three holes at the three markers for the expansion bolts,place the box to match up the holes and use bolt to fasten. (Pic 4) .
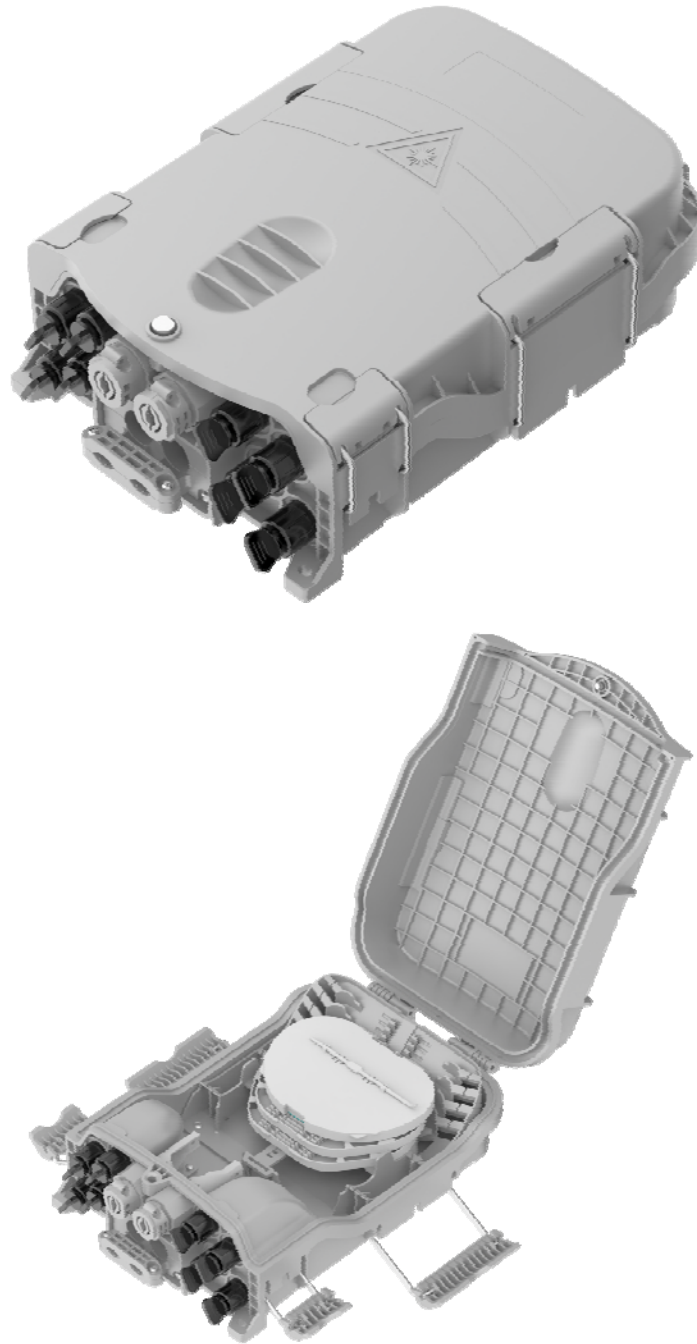

Pic 3   Pic 4

FAT-HGT-8SX Fiber Distribution Box

1、Description：

FAT-HGT-8SX Fiber Distribution Box provides a high density wall mounted solution for next generation networks, which aims to provide and manage maximum numbers of fiber termination in a limited space. It is normally installed in the way of wall mounting or pole mounting.
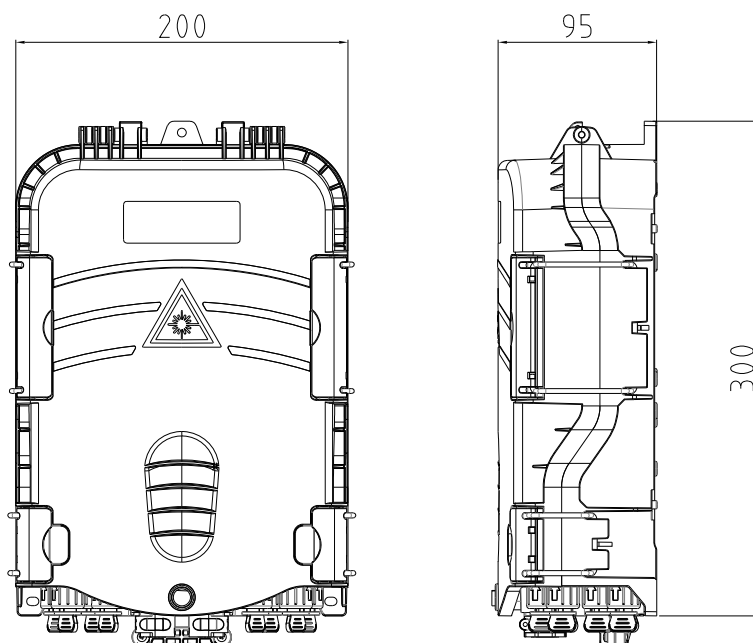
2、Specification：

1) Water-proof design with IP65 Protection grade.

2) Integrated with splice cassette and cable management system.

3) Manage fibers in a reasonable fiber radius condition.

4) Fiber bend radius control more than 35mm.

5) 1 uncut cable port for feeder cables.

6) Fixed hermetic seals in all its grooves

7) The entire fiber route protected by transport tube

8) Complete opening of the hinges with stop included

9) Protected and organized pigtail space

10) Natural route "not forced" of the loose tubes and optical fiber.

11) Protection of Splitters and Pigtails

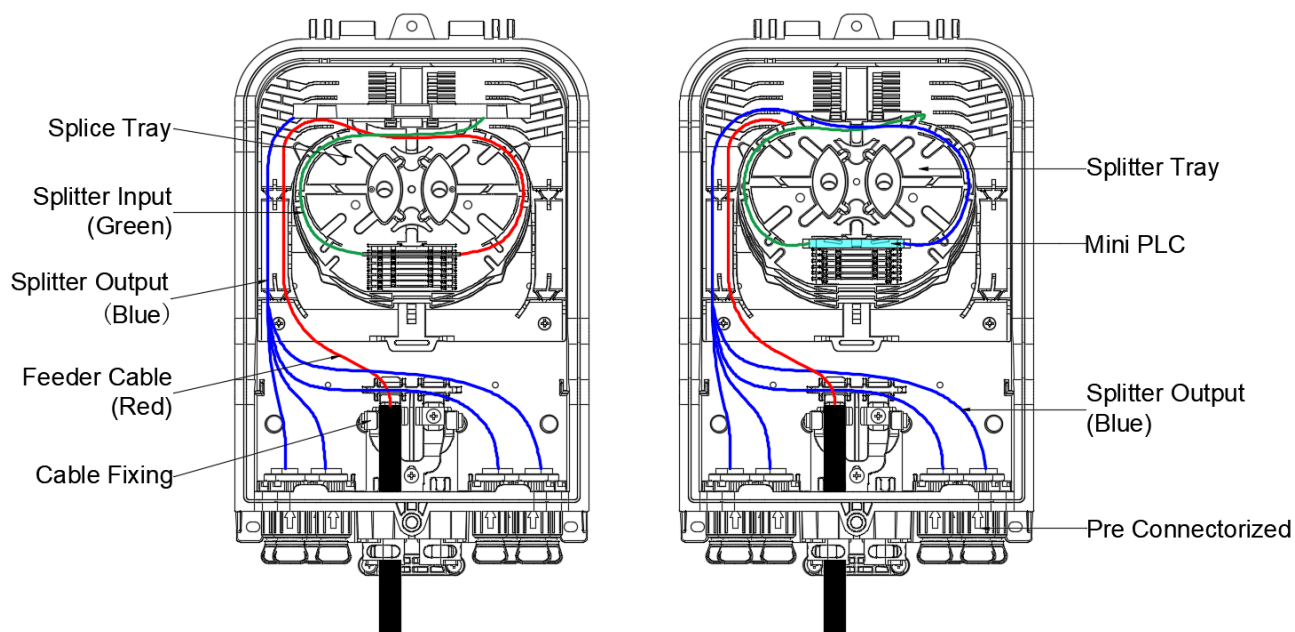12) Support customized services such as logo screen printing.

3、Configuration Table

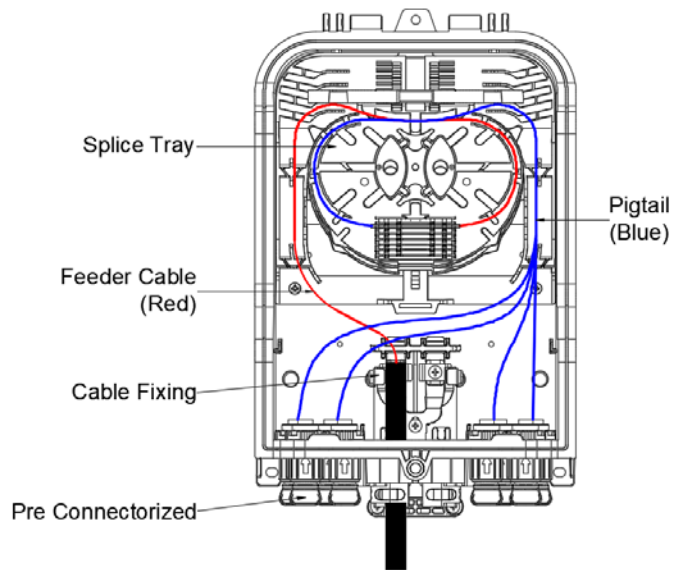| Model	FAT-HGT-8SX
Size (Pic 1)	H×W×D = 300×200×95 (MM)
Material	PC+ABS
Color	Gray(Customizable)
Splice Capacity	36 Cores
Splitter Capacity	3 Sets
Splitter Type	SC, Mini Type, 1:2 / 1:4 / 1:8
Adapter Type	SC/APC ,Pre Connectorized
Adaptor Capacity	8 Pcs
Incoming Cable Port	3x(Φ10~14mm), 1x Mid-span 10~14mm
Drop Cable Port	8 Ports
Installation Method	Wall, Pole Mounted
Operating tempertaure	-10~+70℃
Life time	25 years

Table 1 Model and configuration

200

95

300

Pic 1

4、Routing（Pic 2~3）

Splice Tray

Splitter Input
(Green)

Splitter Output
（Blue）

Feeder Cable
(Red)

Cable Fixing

Splitter Tray

Mini PLC

Splitter Output
(Blue)

Pre Connectorized

(Remove Cap)

Pic 2   **Splitter Type**

Splice Tray

Pigtail
(Blue)

Feeder Cable
(Red)

Cable Fixing

Pre Connectorized
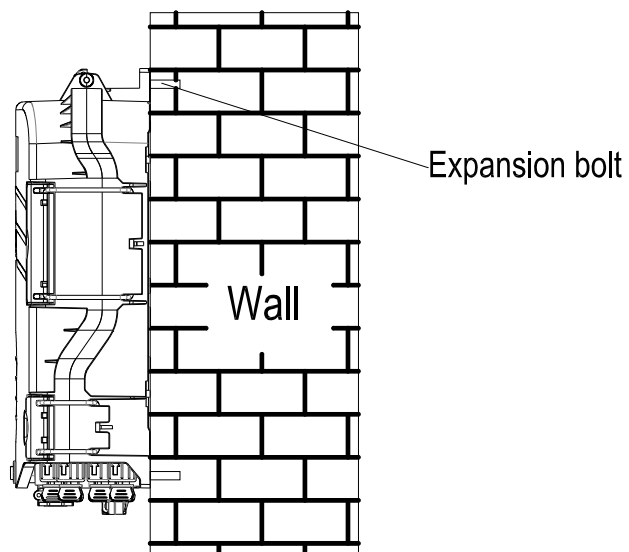
(Remove Cap)

Pic 3 **Distrubution Type**
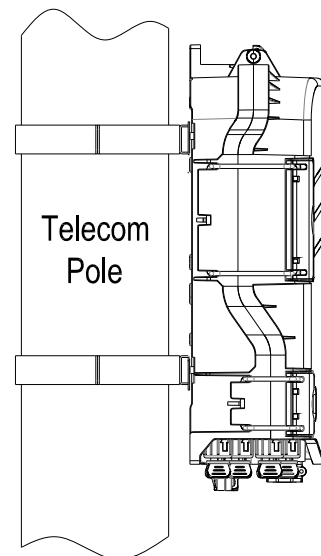
5、Installation

5.1 Wall-mounted installation

Drill 3 holes in the wall according to the installation size，place the expansion bolt，place the box to match up the holes and use bolt to fasten (Pic 4) .

5.2 Pole-mounted installation
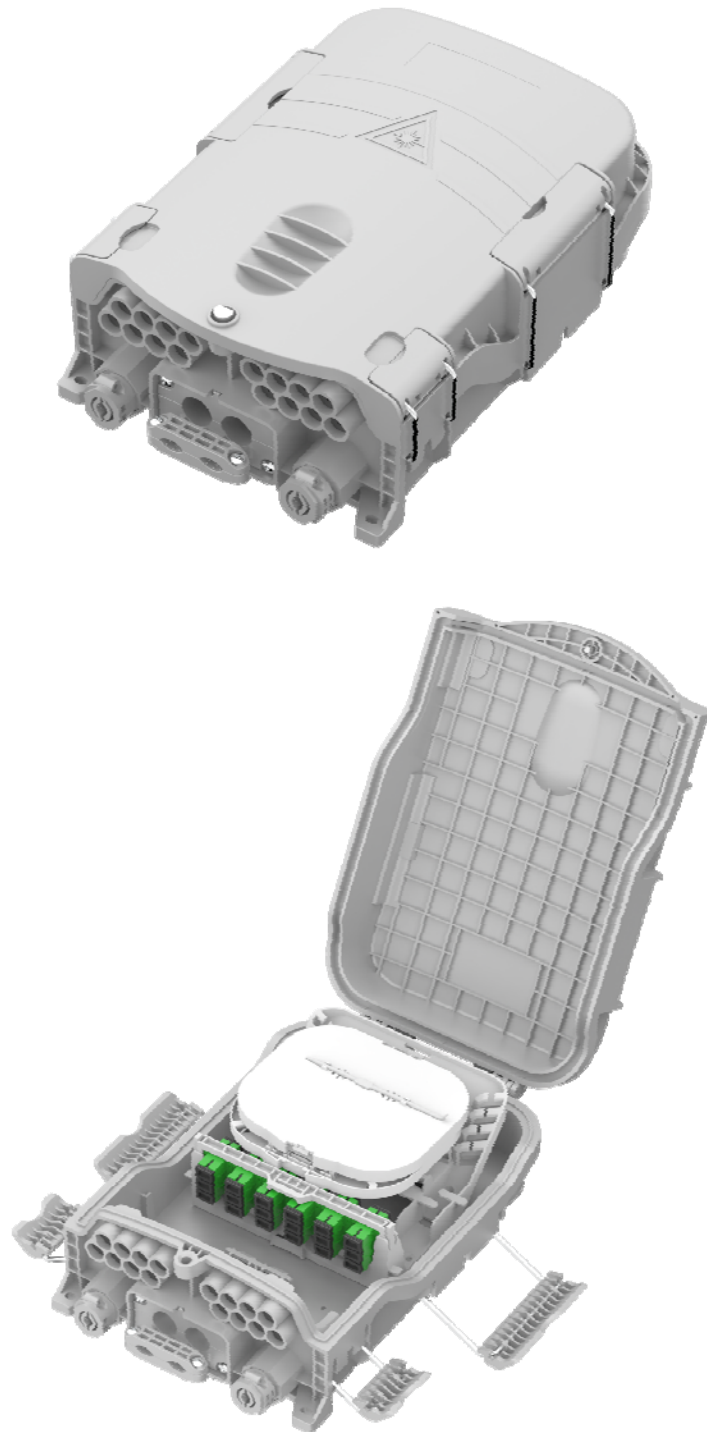
Fix 2 set of the hose clamps to the telecom pole .（Pic 5）

Expansion bolt

Wall

Telecom
Pole

Pic 4

Pic 5

FAT-HGT-16QX Fiber Distribution Box

1、Description：

FAT-HGT-16QX Fiber Distribution Box provides a high density wall mounted solution for next generation networks, which aims to provide and manage maximum numbers of fiber termination in a limited space. It is normally installed in the way of wall mounting or pole mounting.
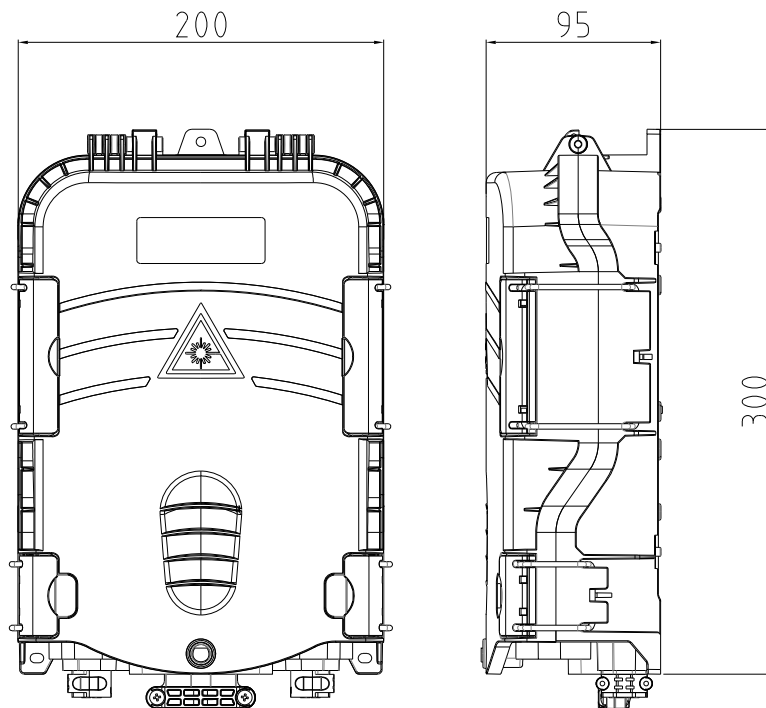
2、Specification：

1) Water-proof design with IP65 Protection grade.

2) Integrated with splice cassette and cable management system.

3) Manage fibers in a reasonable fiber radius condition.

4) Fiber bend radius control more than 35mm.

5) 1 uncut cable port for feeder cables.

6) Fixed hermetic seals in all its grooves

7) The entire fiber route protected by transport tube

8) Complete opening of the hinges with stop included

9) Protected and organized pigtail space

10) Natural route "not forced" of the loose tubes and optical fiber.

11) Protection of Splitters and Pigtails

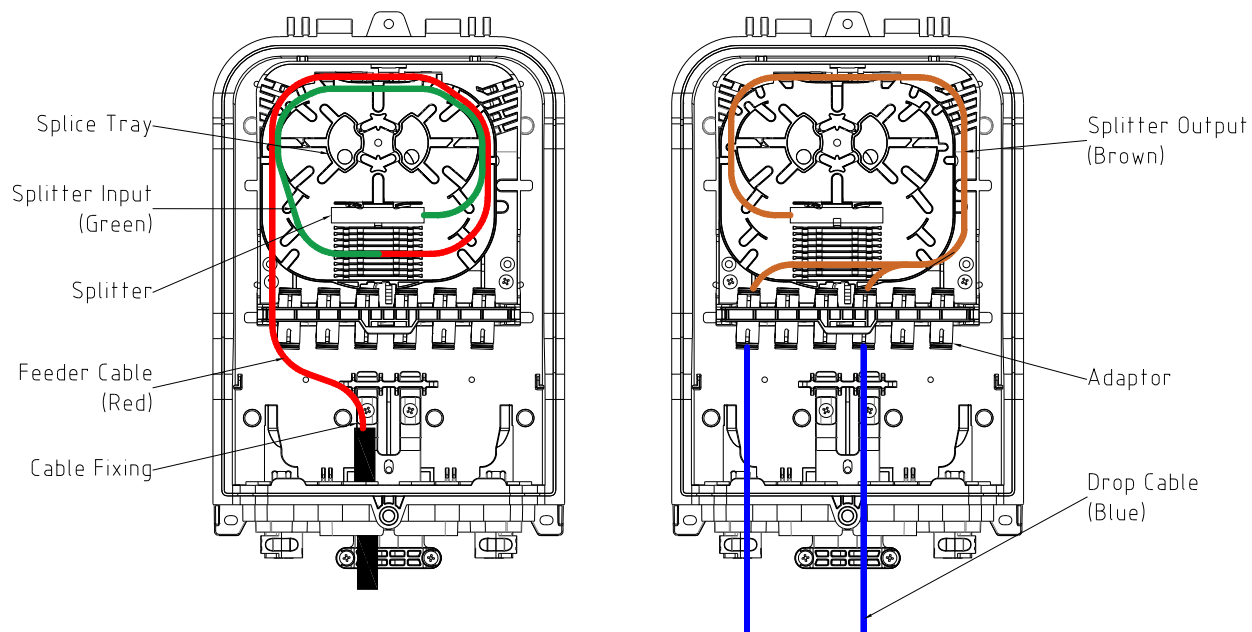12) Support customized services such as logo screen printing.

3、Configuration Table

Model	FAT-HGT-16QX
Size (Pic 1)	H×W×D = 300×200×95 (MM)
Material	PC+ABS
Color	Black/White/Gray(Customizable)
Splice Capacity	36 Cores
Splitter Capacity	2 Sets
Splitter Type	SC, Mini Type, 1:2 / 1:4 / 1:8
Adapter Type	SC/APC
Adaptor Capacity	18 Pcs
Incoming Cable Port	3x(Φ10~14mm), 1x Mid-span 10~14mm
Drop Cable Port	16 Ports
Installation Method	Wall, Pole Mounted
Operating tempertaure	-10~+70℃
Life time	25 years

Table 1 Model and configuration

200

95

300

Pic 1

4、**Routing**（Pic 2~3）

Splice Tray

Splitter Input
(Green)

Splitter

Feeder Cable
(Red)

Cable Fixing

Splitter Output
(Brown)

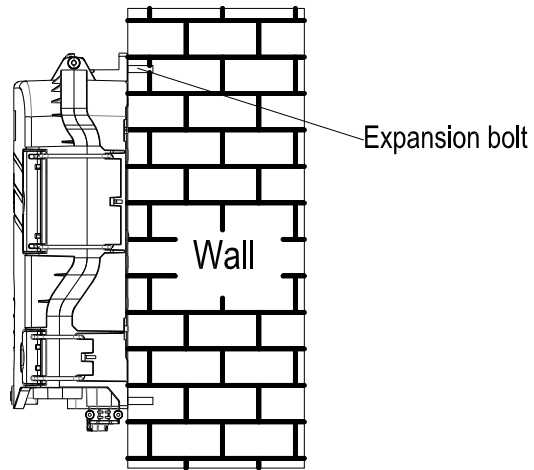Adaptor

Drop Cable
(Blue)
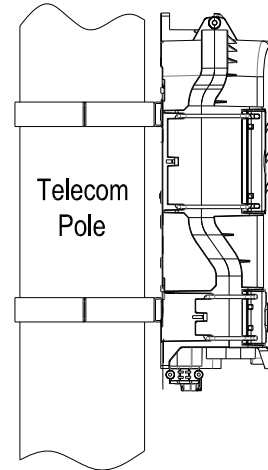
Pic 2

5、Installation

5.1 Wall-mounted installation

Drill 3 holes in the wall according to the installation size，place the expansion bolt，place the box to match up the holes and use bolt to fasten (Pic 4) .

5.2 Pole-mounted installation
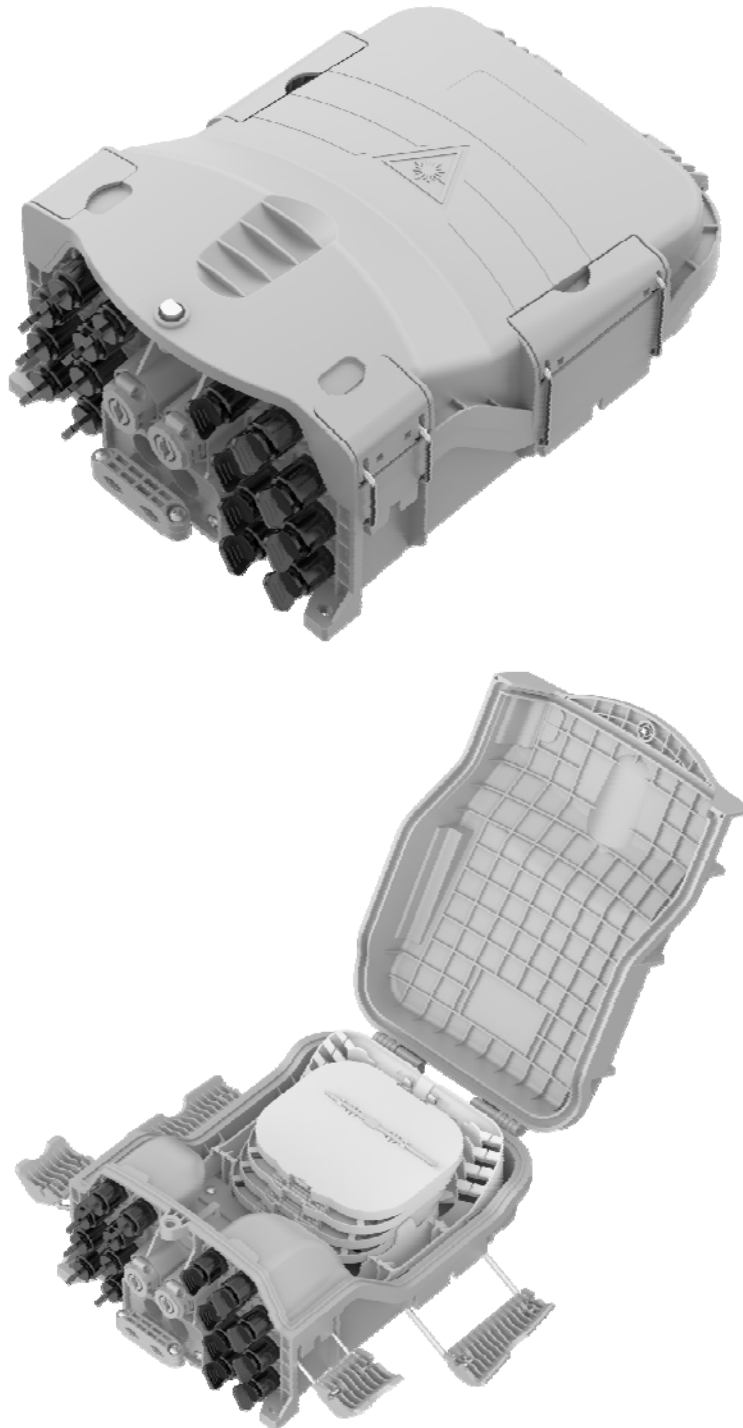
Fix 2 set of the hose clamps to the telecom pole .（Pic 5）

Expansion bolt

Wall

Telecom Pole

Pic 4   Pic 5

FAT-HGT-16SX- Fiber Distribution Box

1、Description：

    FAT-HGT-16SX Fiber Distribution Box provides a high density wall mounted solution for next generation networks, which aims to provide and manage maximum numbers of fiber termination in a limited space. It is normally installed in the way of wall mounting or pole mounting.
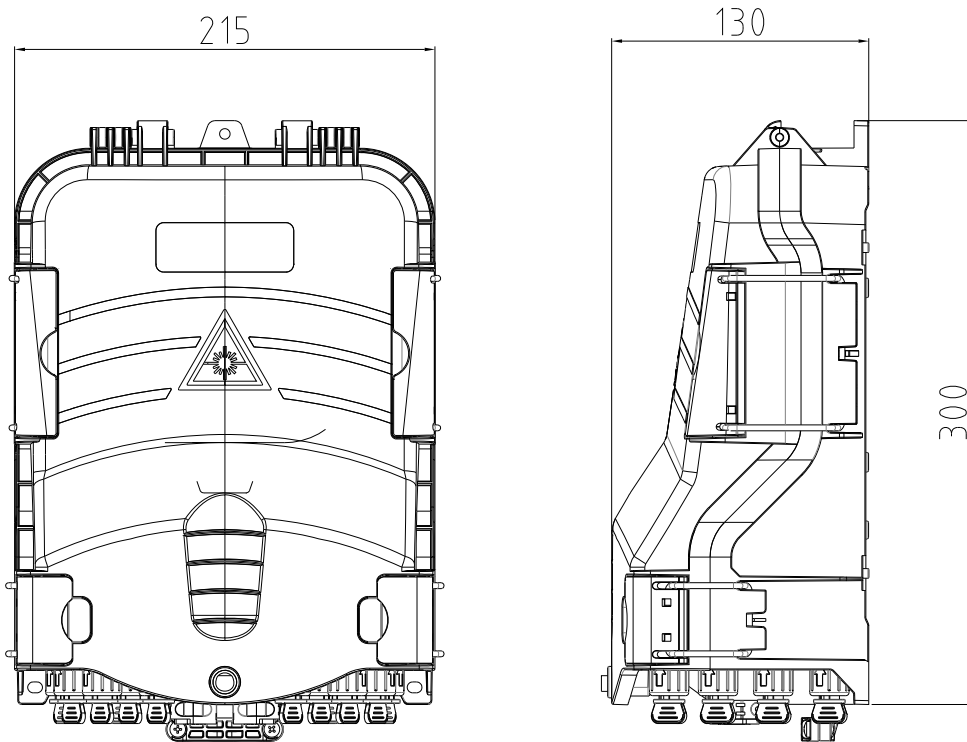
2、Specification：

1) Water-proof design with IP65 Protection grade.

2) Integrated with splice cassette and cable management system.

3) Manage fibers in a reasonable fiber radius condition.

4) Fiber bend radius control more than 35mm.

5) 1 uncut cable port for feeder cables.

6) Fixed hermetic seals in all its grooves

7) The entire fiber route protected by transport tube

8) Complete opening of the hinges with stop included

9) Protected and organized pigtail space

10) Natural route "not forced" of the loose tubes and optical fiber.

11) Protection of Splitters and Pigtails

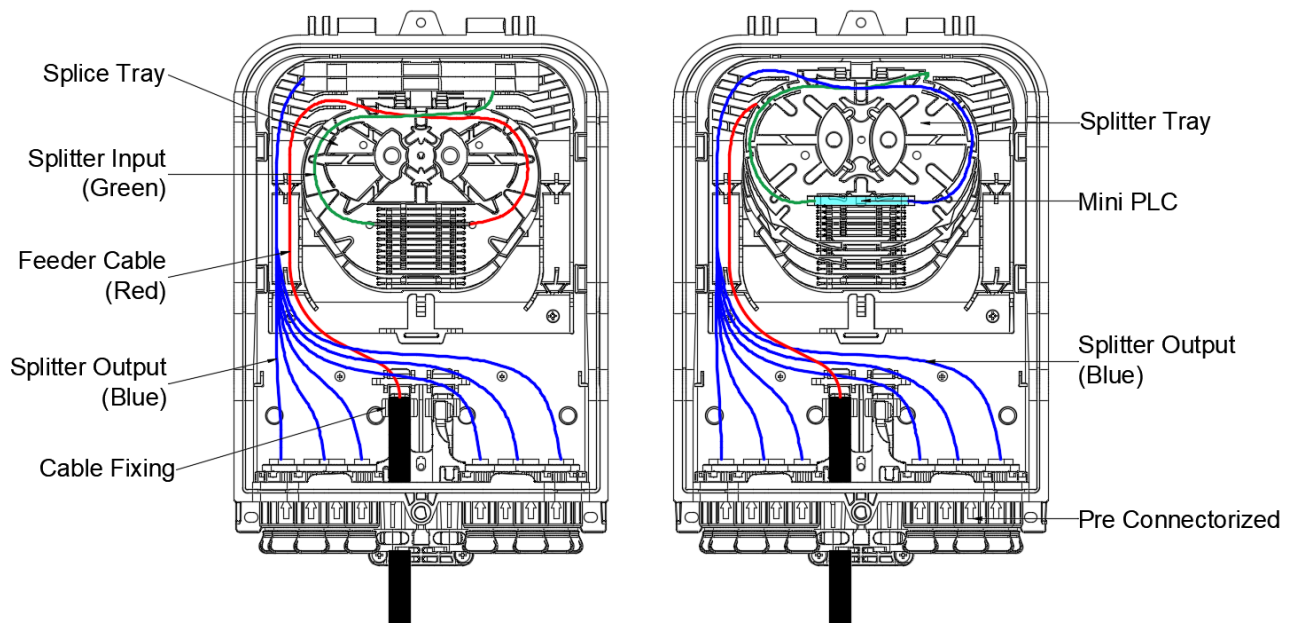12) Support customized services such as logo screen printing.

3、Configuration Table

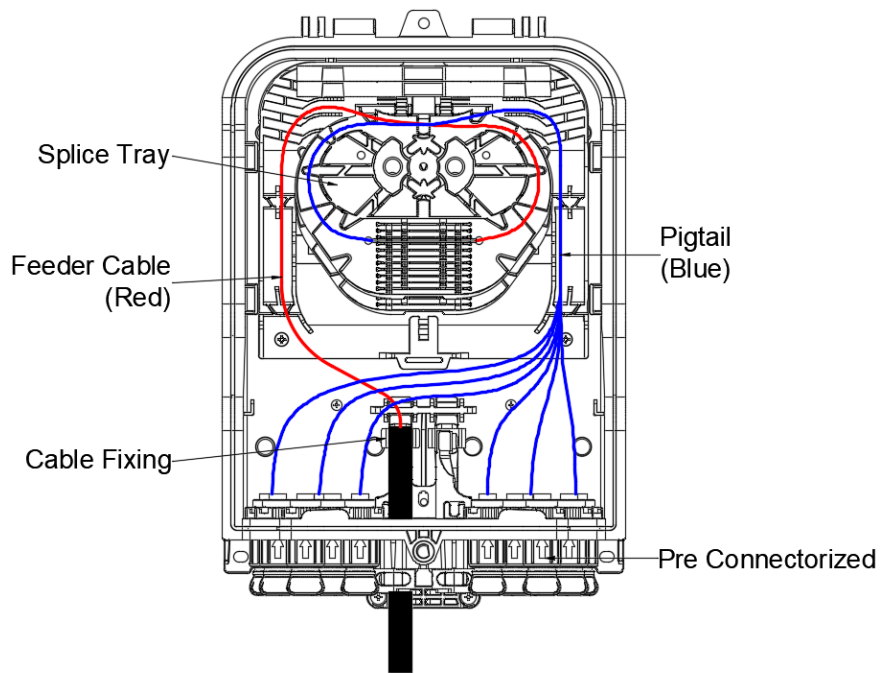| Model	FAT-HGT-16SX
Size (Pic 1)	H×W×D = 316×214×133 (MM)
Material	PC+ABS
Color	Black/White/Gray(Customizable)
Splice Capacity	48 Cores
Splitter Capacity	4 Sets
Splitter Type	SC, Mini Type, 1:2 / 1:4 / 1:8
Adapter Type	SC/APC ,Pre Connectorized
Adaptor Capacity	16 Pcs
Incoming Cable Port	3x(Φ10~14mm), 1x Mid-span 10~14mm
Drop Cable Port	16 Ports
Installation Method	Wall, Pole Mounted
Operating tempertaure	-10~+70℃
Life time	25 years

Table 1 Model and configuration

SUN CONEC

215

130

300

Pic 1

4、Routing（Pic 2~3）

Splice Tray

Splitter Input
(Green)

Feeder Cable
(Red)

Splitter Output
(Blue)

Cable Fixing

Splitter Tray

Mini PLC

Splitter Output
(Blue)

Pre Connectorized

(Remove Cap)

Pic 2 **Splitter Type**

Splice Tray

Feeder Cable
(Red)

Cable Fixing

Pigtail
(Blue)

Pre Connectorized

(Remove Cap)

Pic 3 **Distrubution Type**

5、**Installation**

5.1 Wall-mounted installation

Drill 3 holes in the wall according to the installation size，place the expansion bolt，place the box to match up the holes and use bolt to fasten (Pic 4) .

5.2 Pole-mounted installation
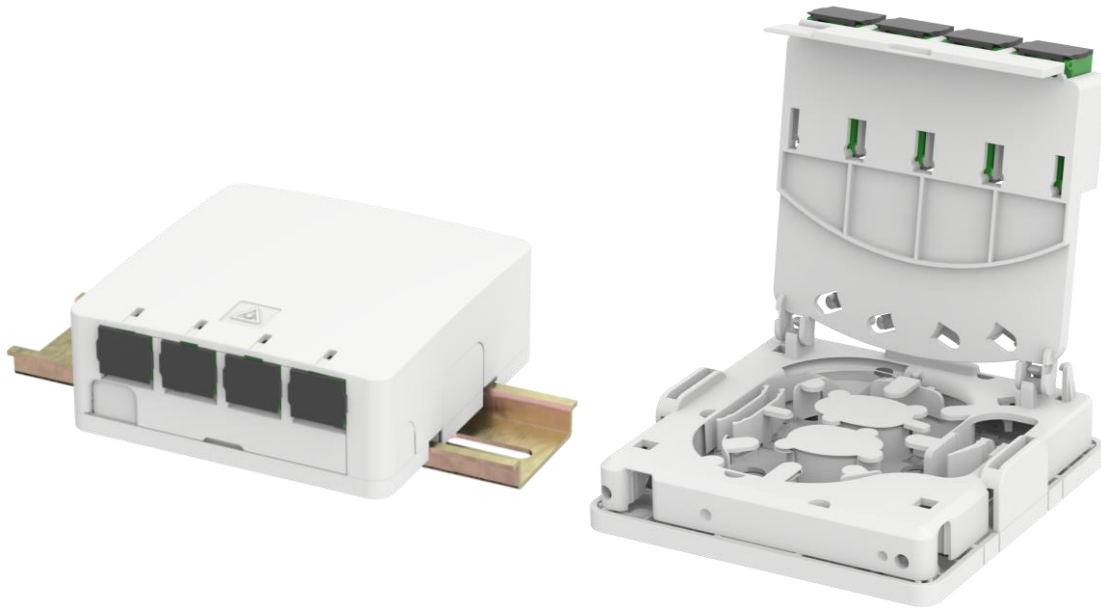
Fix 2 set of the hose clamps to the telecom pole .（Pic 5）

Expansion bolt

Wall

Telecom
Pole

Pic 4

Pic 5

FRB-4D Fiber Socket

1、Description：

FRB-4D Fiber Socket is specially designed for FTTH (Fiber to The Home) for indoor application. It is with a protective door for dust proof, and meanwhile it provides protection and management for the FTTx network building.

2、Specification：

1) small size and simple operation
2) Flexible termination methods: splicing + pigtail, FTTH fast connector on site.
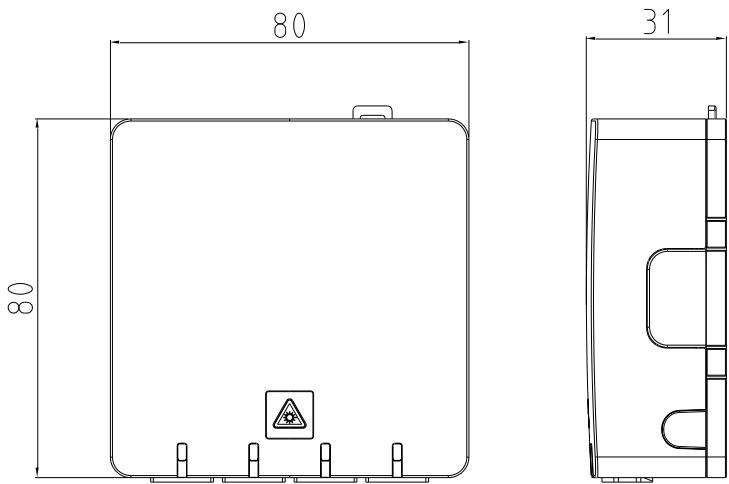
3、Applications:

1) FTTH Access Network
2) Telecommunication Network
3) CATV Networks
4) Local Area Networks
5) Wall / DIN-Rail Mounting

4、Configuration Table：

Model	FRB-4D
Material	PC+ABS
Colour	White(default)
Size （Pic 1）	H x W x D = 80 x 80 x 31(mm)

Max. Adaptor Capacity	4 Ports (SC)
Empty Weight	70 G
Loaded Weight	90 G

Table 1 Model and configuration

Pic 1

5、Structure (Pic 2)：

Cover

Adaptor (SC)

Distribution Board

Storage & Splicing Board

Baseboard

Pic 2

6、Routing (Pic 3)：

Pigtail

Splice Point

Drop Cable

Cable Fixing

Pigtail

Adaptor
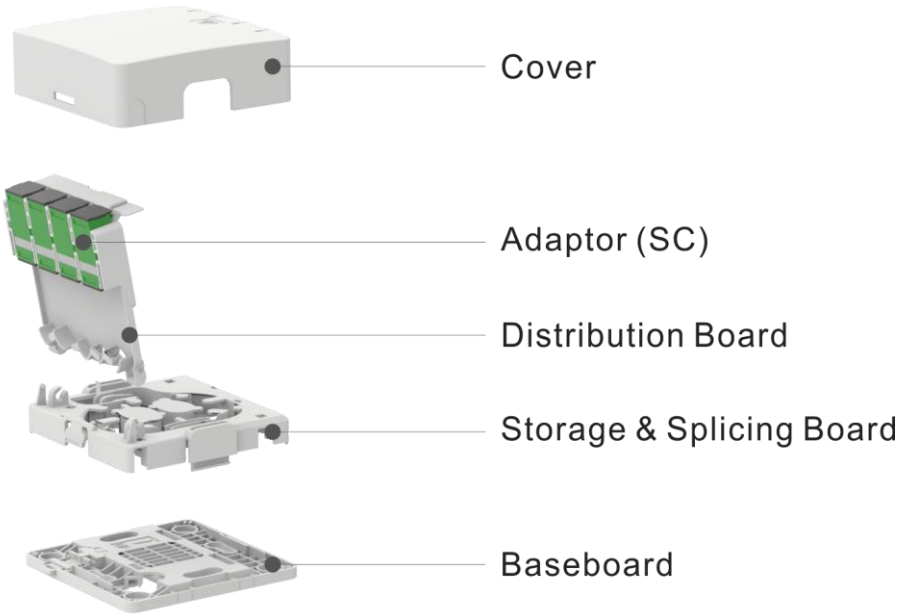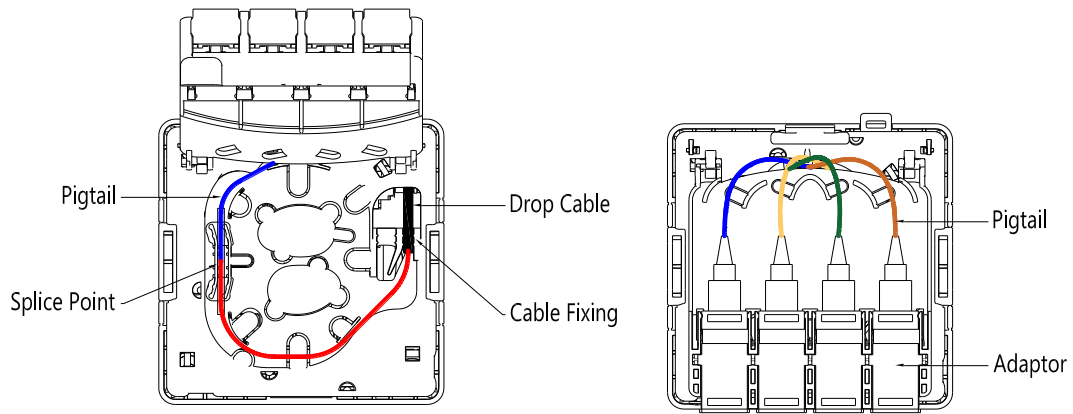
Pic 3

7、Installation(Wall-mounted**)：**

7.1 Wall Mount
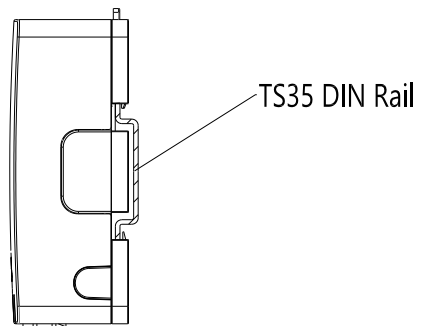
Drill 2 holes in the wall according to the installation size，place the expansion bolts，place the socket to match up the holes and use bolts to fasten(Pic 4).

7.2 Rail Mount

Remove the baffles at both ends of the baseboard and fix the socket to DIN rail (TS 35) through the claws on the back(Pic 5).
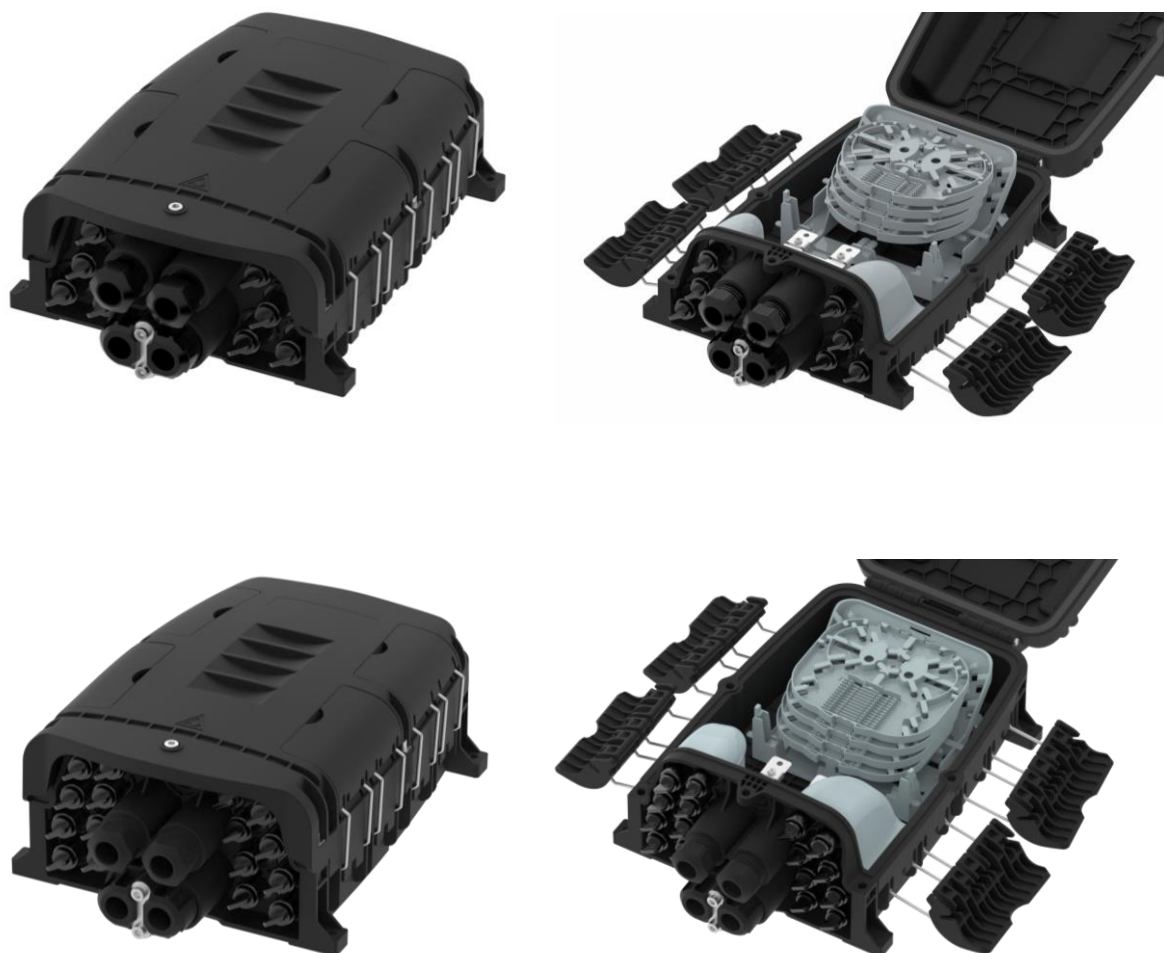
Wall

Expansion bolt

TS35 DIN Rail
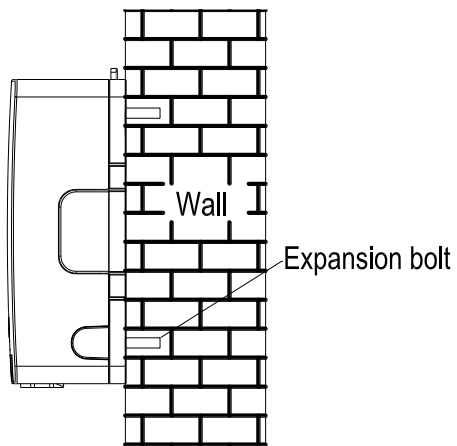
Pic 4

Pic 5

GFS-8QX/16QX Fiber Distribution Box

1、Description：

GFS-8QX/16QX Fiber Distribution Box is used as a termination point for the feeder cable to connect with drop cable in FTTx telecommunication network system it can also provide feeder cable for the next splitting box. The optic splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.
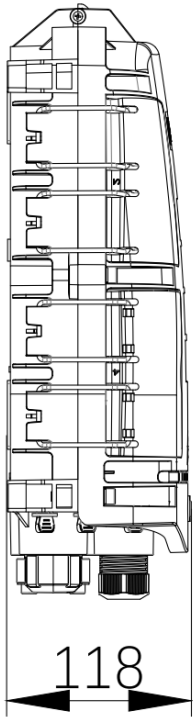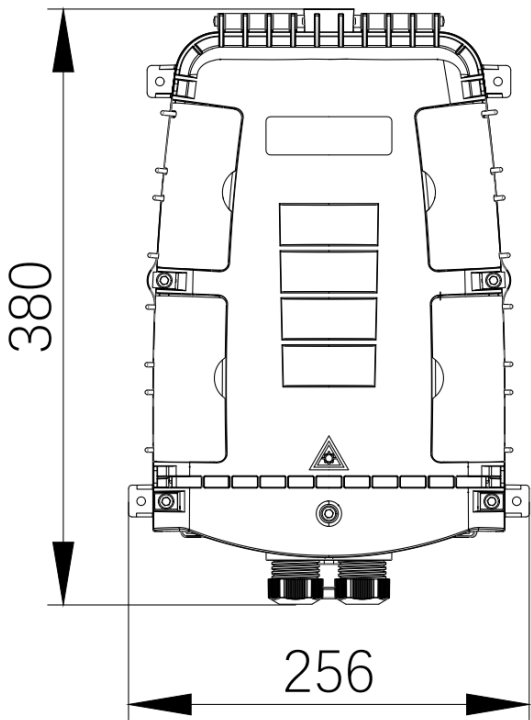
2、Specification：

1) Water-proof design with IP65 /IP68 (optional)Protection level.

2) Manage fibers in a reasonable fiber radius condition.

3) Easy to maintain and extend the capacity.

4) Suitable for pre-Connectorized Cable Assemblies.

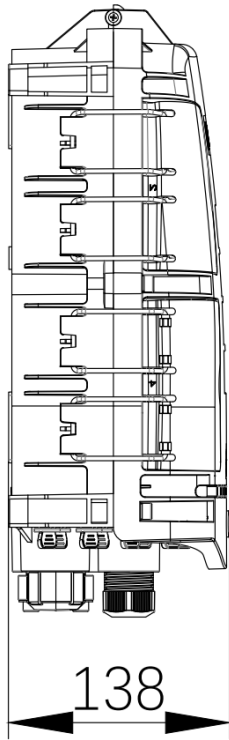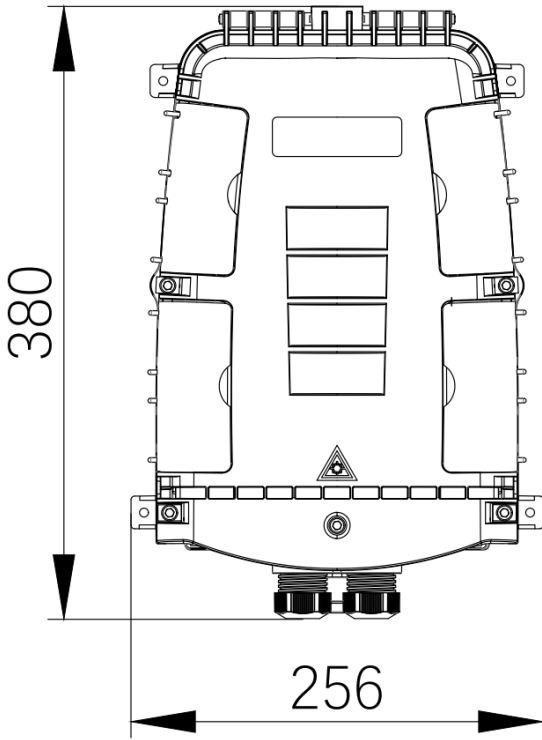5) 8/16 ports cable entrance for FTTH drop cable.

3、Applications

1) FTTH access network

2) Telecommunication network

3) CATV networks

4) Data communications network

5) Local area networks

4、Configuration Table

| Model	8	16
Size (Pic 1)	H×W×D = 380×256×118 (mm)	H×W×D = 380×256×138 (mm)
Material	PP+GF (Anti UV)	PP+GF (Anti UV)
Color	Black	Black
PR Connection Capacity	8 Ports	16 Ports
Adapter Type	Waterproof type SC	Waterproof type SC
Installation Method	Wall Mounting/Pole mounting /Aerial Mounting	Wall Mounting/Pole mounting /Aerial Mounting

380

256

118

Pic 1   8

380

256

138

Pic 2   16

5、Routing（Pic 2）

PLC

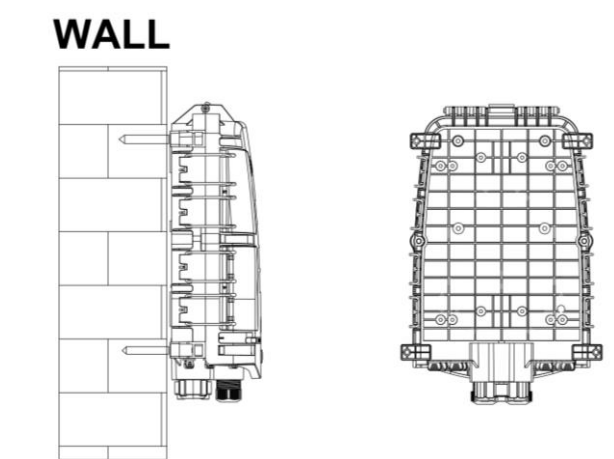Main Cable   Distribution Cable   Drop Cable
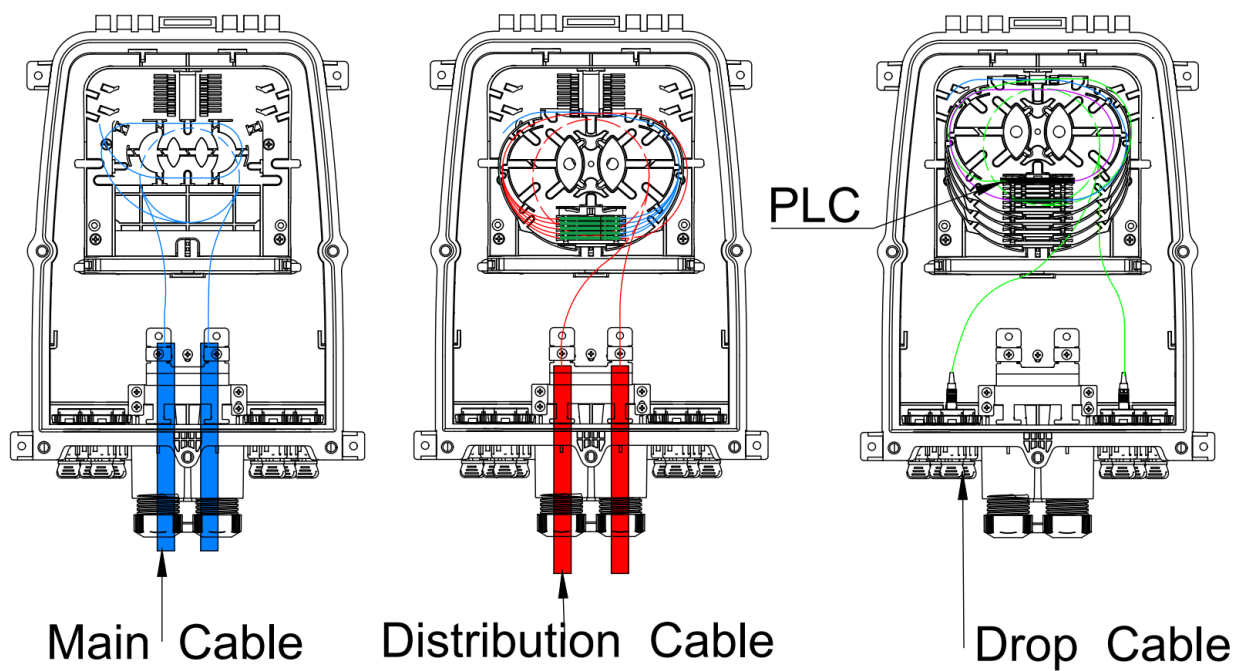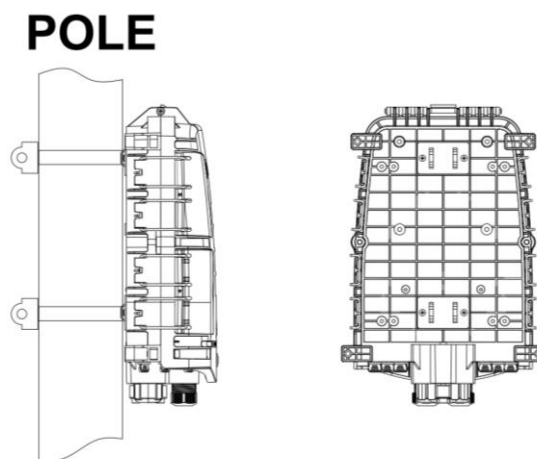
Pic 3

6、Installation

1) Wall-mounted (Pic 4)
Mounting bracket for wall mounting can make the enclosure fixed tightly.

2) Pole-mounted (Pic 5)
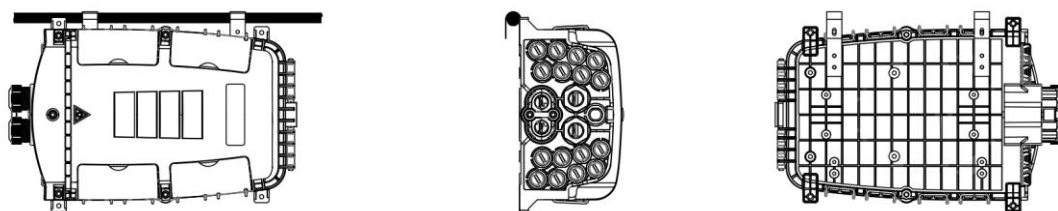 Fix 1 set of the hose clamps to the telecom pole .

WALL   POLE

Pic 4   Pic 5

Pic 6