

Outdoor 18 Ports 1x17 Un-balanced Fiber Optic NAP Terminal Box, FastConnect Solution

- For FTTx Solution



Product Description

Description of 18 Ports Pre Connectorized CTO Termination Box Huawei mini SC Hardened Connector. This is a Huawei FastConnect FAT/CTO/NAP box, it is widely used as a termination point for the feeder cable to connect with drop cable. The fiber splicing, splitting, distribution can be done in this box. All ports are equipped with Huawei mini SC hardened adapters. The operators do not need to splice fibers or open boxes during ODN deployment, which can highly improve the efficiency and reduces the total cost.

Keyed Characteristics

✓ All-in-one design

Clamping for feeder cable and drop cable, fiber splicing, fixation, storage; distribution etc all in one. cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation, easy maintenance.

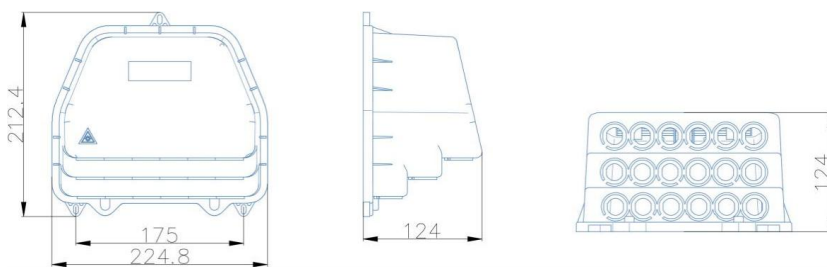
✓ IP65 Protection

Total enclosed structure with material made of PC+ABS, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65. Suitable for both indoor and outdoor use.

✓ Easy Maintenance

The distribution panel can be flipped up, and the feeder cable can be placed by expression port, making it easy for maintenance and installation. The box can be installed by the way of wall-mounted or poled-mounted.

Product Scheme (Unit: mm)



Features

- ✓ High compatibility support harden adapter of OptiTap, Slim and FastConnect;
- ✓ Strong enough: working under 1000N pulling force long term;
- ✓ Installation on Wall/Pole/Aerial mounted, underground;
- ✓ Available with PLC fiber divide;
- ✓ Decreased angle surface and height make sure no connector interfering when operating;
- ✓ Cost effective: save 40% operating time and less manpower.

Application

- ✓ FTTH Application;
- ✓ Fiber optic communications in harsh outdoor environments;
- ✓ Outdoor communication equipment connection;
- ✓ Waterproof fiber equipment SC port;
- ✓ Remote wireless base station;
- ✓ FTTx FTTA wiring project.

Technical Parameter

Model	Total Value (dB)	Uniformity (dB)	Polarization Dependent Loss (dB)	Wavelength Dependent Loss (dB)	Return Loss (dB)
1:17	≤ 10.50	≤ N/A	≤ 0.30	0.15	55

Specification Details

Dimension (L x W x H)	224.8 x 212 x 124mm
Waterproof Level	IP65
Port Type Solution	18pcs of Harden FastConnect Adapters
Color	Black
Material	PC + ABS
Max Capacity	18 Ports
UV resistance	ISO 4892-3
Fire protection rating	UL94-V0
Number of PLC (Solution)	1x17 PLC Splitter
Warranty Life Time (Non-artificial damage)	5 Years

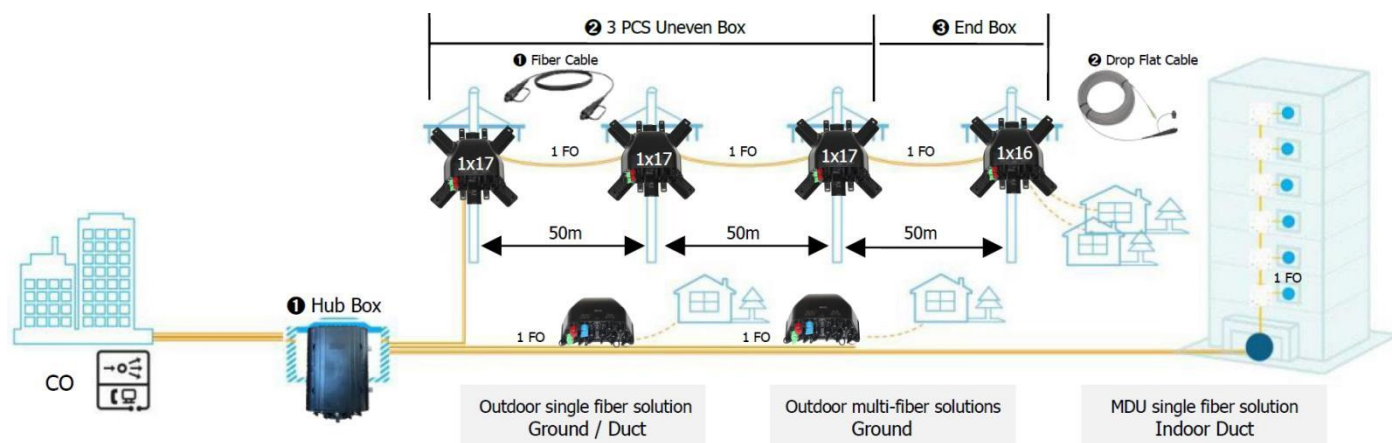
Mechanical Parameter

Atmospheric Pressure	70KPa~106Kpa
Lid opening angle for operating	No, 100% sealed off (Ultrasonic crimping)
Tensile Resistance	> 1000N
Crush Resistance	> 2000N/10cm ² Pressure, time 1min
Insulation resistance	> 2×10 ⁴ MΩ
Compressive Strength	15KV(DC)/1min no breakdown and no arcing.
Relative Humidity	≤93% (+40°C)
Atmospheric Pressure	70KPa~106Kpa

Environmental Characteristics

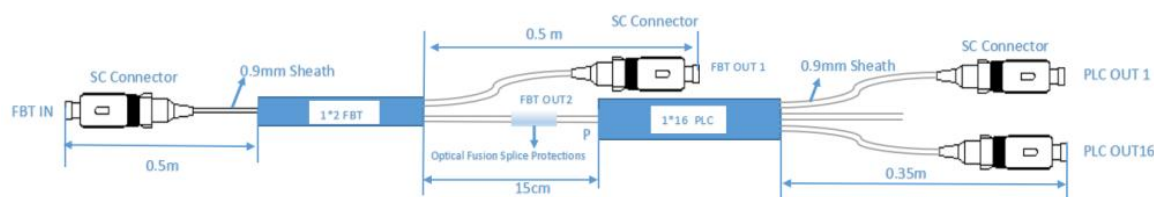
Storage Temperature	-40°C ~ +85°C
Operating Temperature	-40°C ~ +60°C
Installation Temperature	-40°C ~ +60°C

Application Scheme



PLC Splitter Diagram

Drawing of PLC Splitter: 1x17 Un-balanced Solution



PLC Technical Parameter

Model	Total Value (dB)	1x2 FBT High Power (dB)	1x2 FBT + 1x16 PLC (dB)
90/10	≤ 24.54	≤ 0.73	$\leq (11.04+13.5)$
85/15	≤ 23.78	≤ 1.13	$\leq (10.28+13.5)$
80/20	≤ 21.25	≤ 1.25	$\leq (7.75+13.5)$
70/30	≤ 19.51	≤ 2.22	$\leq (6.01+13.5)$
60/40	≤ 18.32	≤ 2.73	$\leq (4.82+13.5)$
1:16	≤ 16.50	$\leq \text{N/A}$	≤ 13.5

Including Accessories



Package Information

- 1) Plastic bag size: 500*410mm
- 2) Inner box with single corrugated size: 275*230*127mm
- 3) Carton with double corrugated size: 475*290*650mm (10PCS/Box)
- 4) Weight per carton: 12.5KG