Merocom Solutions

Outdoor Box (CTO) | 4+24 ports - 96 mergers_ IP65
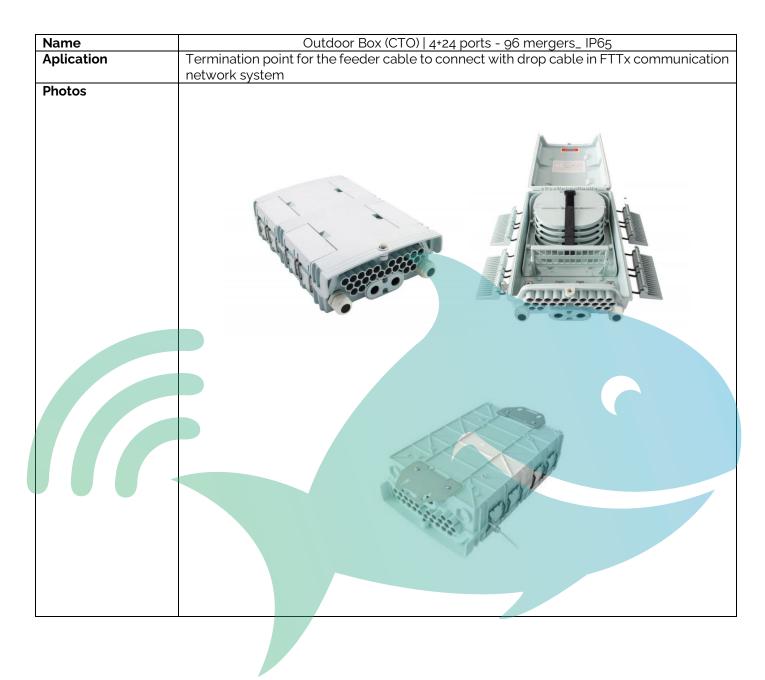
Manual & Information

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1   Features

1.1   Application /Construction

This product is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. It integrates fiber splicing, splitting, distribution, storage, and cable connection in one unit. Meanwhile, it provides solid protection and management for the FTTx network building.

Name	Outdoor Box (CTO)	4+24 ports - 96 mergers_ IP65
Aplication	Termination point for the feeder cable to connect with drop cable in FTTx communication network system
Photos	

1.2 Description

- Water-proof design with IP65 Protection level
- Integrated with splice trays.
- Maximum 120 fiber splice capacity, stainless anti-rust bolts and nuts
- Easy for maintenance and expansion, neat cabling.
- Fiber bend radius control more than 40mm.
- 180 degrees access with buckled lock structure.
- 3 pcs 1x8 PLC Splitter can be installed.
- 24 pcs of mechanical ports for 3-7mm drop cable.
- 1 mid-span cable entrance (10-16.5mm) for uncut cable and 2 reserved cable
- entrances for distribution cable gland (8-13.5mm)

1.3 Applications

- Wall-mounted Installation
- Pole-mounted Installation
- Aerial-hanging Installation

1.4 Specifications

Construction material	PC+ABS
Dimensions (mm)	340 x 220 x 95
Splitter	3pcs 1x8 steel tube PLC Splitter
Adapter	24pcs SC/UPC or SC/APC Adapters
Color	Black
Net. Weight	1.85kg
Max Capacity	Splice 120 Fibers (5 trays,24fiber/tray)
Relative Humidity	≤ 85% (+30 ^{o}C)
Atmospheric Pressure	70Kpa~106Kpa
Insert Loss	≤ 0.2dB
UPC Return Loss	≥ 50dB
APC Return Loss	≥ 60dB
Insert and Pull out Life	≥ 1000 times

Insulation	The grounding device is insulated with the Termination box, IR ≥1000m Ω/500V (direct current)
Withstand Voltage	Between the grounding device and the box body, the withstand voltage is over 3000V/Min, no breakdown and flashover. U ≥3000V (direct current)

1.5   Standard Accessories:

Standard Accessories: Splice cassette and cable management tools, Installation nuts and bolts, Protection sleeves, hose clamp, cable tube, key.