ARTIC

ONECLICK

DISTRIBUTION BOX CXS - 10 PORT HARD CONNECT -MULTICLICK MPO

AR-DB-CXS-10P-HC-MUK

1. GENERAL

1.1 Description

Pre-connectorized optical distribution box as the most advanced FTTX network distribution node equipment, provide quick and reliable connection, good protection and management for the FTTX network.

Production type	Classification
AR-DB-CXS-10P-HC-MUK	Pre-connectorized fiber optic cable distribution box

Pic.1 - AR-DB-CXS-10P-HC-MUK

1.2 Standards Comply

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

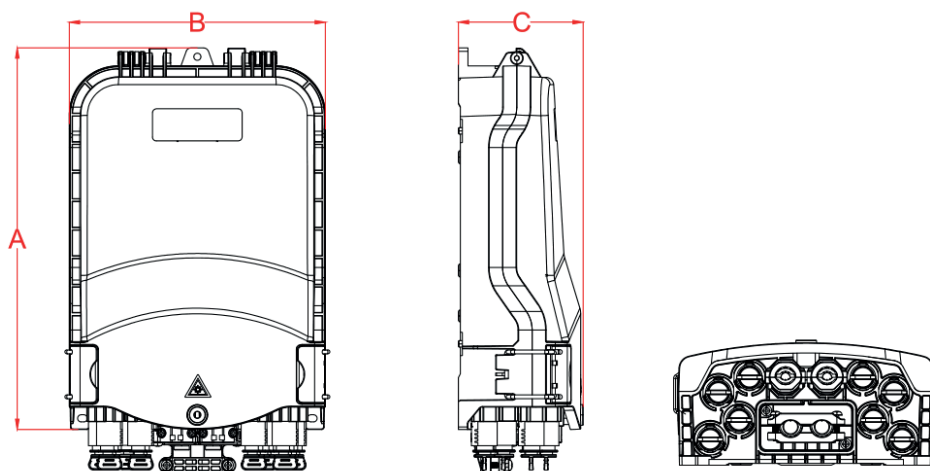|	
IEC 62134-1-2002	Fiber optic enclosures - Part 1: Generic specification
IEC61300-2	Fiber optic interconnecting devices and passive components - Basic test and measurement procedures
IEC60068-2	Basic environmental testing procedures for electric and electronic products

1.3 Application Environment

Item	Value
Operation temperature	-40 ºC～+65 ºC
Installation temperature	-15 ºC～+40 ºC
Storage temperature	-45 ºC～+75 ºC
Relative humidity	≤85% (+30℃)
Atmospheric pressure	70KPa~106Kpa

2. CHARACTERISTICS

1. Advanced structure design, easy operation and reasonable routing.
2. Material: PC+ABS.
3. Moisture proof, waterproof, dust-proof, anti-aging.
4. Protection level up to IP65.
5. 1 oval optical cable entry and 10 pre-connected adapters.
6. 4 types of tray are optional, which can be configured according to requirements, and even 2 types of tray can be mixed installation.
7. Installation method: pole-mounted, aerial-mounted, wall-mounted.
8. It can be equipped with drop cable storage tray to meet the storage of 50 meters 5mm round cable.

3. SPECIFICATIONS

3.1 Mechanical specifications

Pic.2 - AR-DB-CXS-10P-HC-MUK

Item	Specifications	Remark
Material of housing	PC+ABS	
Material of internal components	PC+ABS/ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	319.3*200*97.5 mm	A*B*C
Color	Black	
Number of pass through cable port	1	
Number of branch cable port	0	
Fiber cable diameter of the uncut pass through port(mm)	Φ8~Φ14	
Fiber cable dimension of branch cable port (mm)	Φ16	
Number of Pre-connectorized ports	10	RMPO12F: 1RD+1BU RSCA: 8BK
Fusion capacity(Max)	48	Tray A ,12x4=48, 2 layers of heat-shrinkable splice protection sleeve.
	64	Tray B, 8x8=64, 1 layer of heat-shrinkable splice protection sleeve.
	96	Tray D, 24x4=96, 2 layers of heat-shrinkable splice protection sleeve.
Micro PLC Splitter	1x8	Splitter size：60x7x4mm. Can be installed in type A, type C and type D splicing tray, 1 PC per splicing tray.
IP grade	IP65	
Flammability	UL-94HB	Default
Neutral salt spray test (NSS)	48h	

3.2 Optical specifications

Model	Optical device	IL(dB)	RL(dB)	Test method
AR-DB-CXS-10P-HC-MUK	Pigtail-SC/APC-00-SM-SX(1C1F)-OD0.9MM-PVC-G657A2-Cable Color(Defaults)-Indoor-RoHS-1.5m	≤0.3	≥55dB	IL: IEC61300-3-4 Method B RL: IEC61300-3-6 Method 1
	1x8 PLC Splitter, with SCAPC connector	≤10.7	≥55dB	

The optical parameters shown in the table above are default values, and can be customized according to requirements.
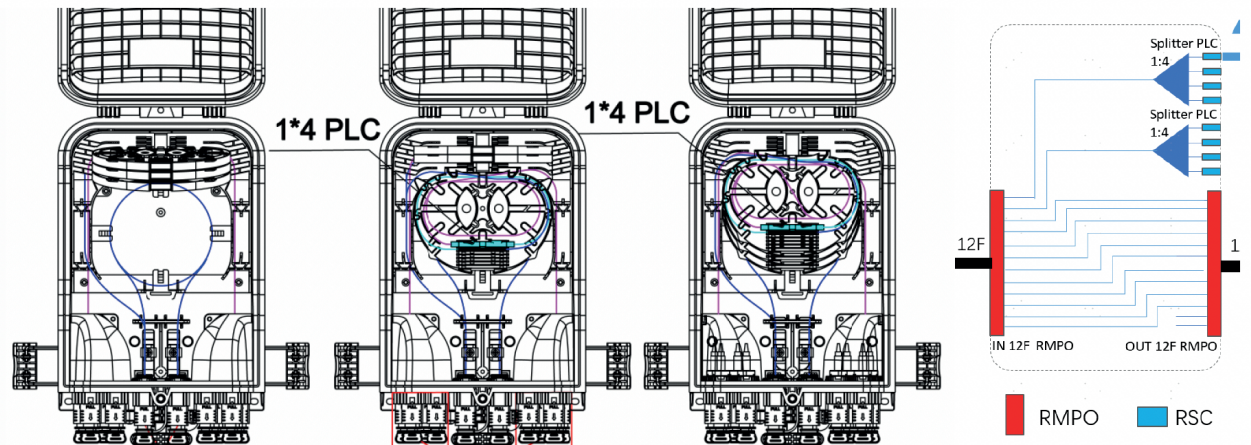
3.3 Port color

Red   **Blue**   **Black**
The color of the product may vary and is for reference only.

4. ROUTING DIAGRAM

Pic.3 - AR-DB-CXS-10P-HC-MUK Routing
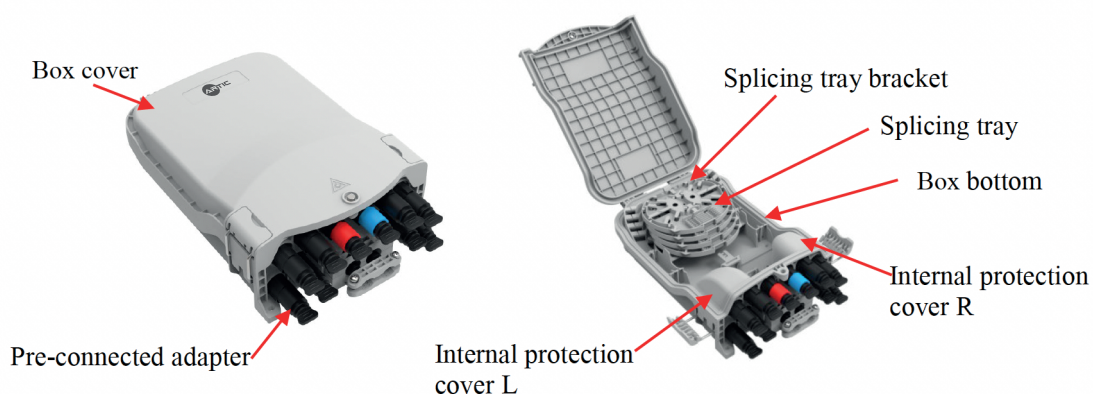
5. SPLICING TRAY& SPLITTER TRAY

Item	Splicing tray A	Splicing tray B	Splitter tray C	Splicing tray D
Dimensions (H*W*D, mm)	134*104*8	134*104*4	134*104*8	135 *125*8
Net weight (kg)	0.021	0.015	0.021	0.033
Picture				
Color	RAL7035	RAL7035	RAL7035	RAL7035
Material	PC+ABS	PC+ABS	PC+ABS	PC+ABS
Splicing capacity of a tray(cores)	12 (2 layers of heat shrinkable protective sleeve)	8 (1 layer of heat shrinkable protective sleeve)	/	24 (2 layers of heat shrinkable protection sleeve)
Splitter capacity of a tray(PCS)	1 (PLC 1X2, 1X4, 1X8, 0.9mm fiber, 60x7x4mm)	/	4+1 (4XPLC 1X2, 1X4,1X8,0.25mm fiber,40x4x4mm)+ (1xPLC 1X2,1X4, 1X8,0.9mm fiber, 60x7x4mm)	1 (PLC 1X2, 1X4, 1X8, 0.9mm fiber,60x7x4mm)
Maximum(PCS)	4	8	4	4
Default(PCS)	4(2PCS for splicing, 2 for splitter)	/	/	/

Note: 1. The above trays can be mixed according to requirements.
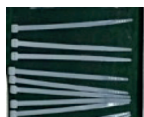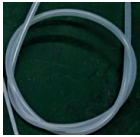2. Configuration rules: 1A=1C=1D=2B

6. CONFIGURATION
6.1 Main parts

No.	Part name	Unit	Quantity	Remark
1	Box bottom	pcs	1	
2	Box cover	pcs	1	
3	Splicing tray bracket	pcs	1	
4	Splicing tray	pcs	1	Type A (default)
5	Internal protection cover L	pcs	1	
6	Internal protection cover R	pcs	1	
7	Pre-connected adapter	pcs	10	RMPO12F: 1RD+1BU RSCA:8BK

Pic.4 - Structure of AR-DB-CXS-10P-HC-MUK

6.2 Accesories

No.	Part name	Reference picture	Unit	Quantity	Remark
1	Uses ´manual		pcs	1	EN
2	Splitter test report		pcs	1	EN
3	Key		pcs	1	"D" type
4	Heat-shrinkable protection sleeve		pcs	8	L=45mm
5	Nylon cable tie		pcs	10	3x100mm

No.	Part name	Reference picture	Unit	Qty	Remark
6	Bare fiber protection tube		pcs	1	OD4mm x 50cm
7	Wall-mounted kit		set	1	Optional as customer's request. (Expanded plastic plug Φ8x40mm, Phillips self-tapping screws M5x40mm.)
8	Pole-mounted kit		set	1	Optional as customer's request
9	Aerial-mounted kit		set	1	Optional as customer's request

7. INSTALLATION

7.1. Wall-mounted installation

Drill 3 holes in the wall according to the dimension in table 2, place the expansion plug Φ8*40, place the box to match up the holes and use screws to fasten. (Pic.5)

Pic.5 - Wall mounted installation

7.2. Pole-mounted installation

Pass the stainless steel belt through the slot of the back plate and fix it on the pole (Pic.6)

Pic.6 - Pole-mounted installation

7.3. Aerial-mounted installation

Hang the hook on the messenger, and tighten the bolts and nuts of the hook.(Pic.7)

Pic.7 Aerial-mounted installation

8. PACKAGE

Item	Material	Size(mm)	Quantity	Gross weight (kg)
Independent product packaging	Carton	340*230*120	1	1.3
Outer packaging carton	Carton	450*360*630	10	14