



DISTRIBUTION BOX NAP - CDO 16 + 2 ONECLICK

AR-DB-CFS-16P-HC-FS17

AR-DB-CFS-16P-HC-FS17-2



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-CFS-16P-HC-FS17 / - 2	Pre-connectorized fiber optic cable distribution box

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
IEC 60529	Degrees of protection provided by enclosures (IP Code)

1.3 Applications Environment

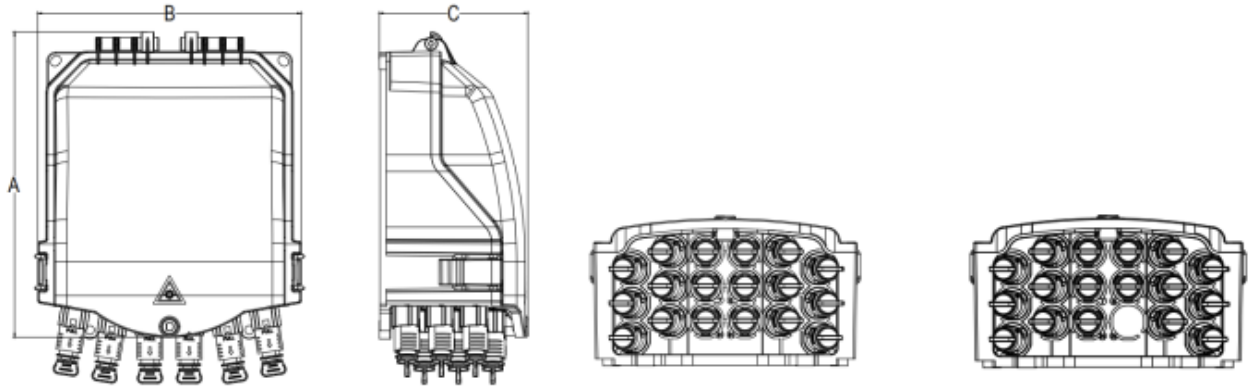
Item	Value
Operation temperature	-40 °C~+65 °C
Installation temperature	-15 °C~+40 °C
Storage temperature	-45 °C~+75 °C
Relative humidity	≤85% (+30°C)
Atmospheric pressure	70KPa~106Kpa

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. Up to 18 pre-connected adapters.
6. Installation method: pole-mounted,, wall-mounted.

3. Specifications

3.1 Mechanical specifications

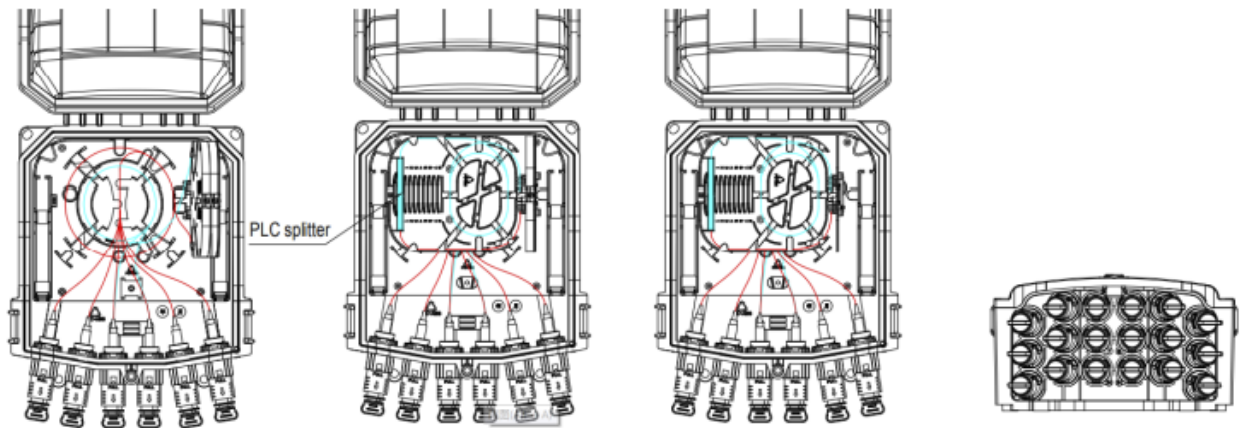


Item	Specifications	Remark
Material of housing	PC+ABS	
Material of internal components	PC+ABS/ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	241*208*117 mm	A*B*C
Color	PANTONE 428C	
Number of pass through cable port	/	
Number of branch cable port	/	
Fiber cable diameter of the uncut pass through port(mm)	/	
Fiber cable dimension of branch cable port (mm)	/	
Number of Pre-connectorized ports	18	1 Red,1Blue,16 Black(GFS-16Y-1)
	17	1 Red,16 Black(GFS-16Y-1A)
Fusion capacity(Max)	8	Tray A ,8x2=16, 1 layers of heat shrinkable splice protection sleeve.
Micro PLC Splitter	1x2	Splitter size :60x7x4mm.
	1x4	Only be installed in type A splicing tray,
	1x8	1PC per splicing tray.
	1x16	Splitter size :60x12x4mm
IP grade	IP65	
Flammability	UL	-94HB Default

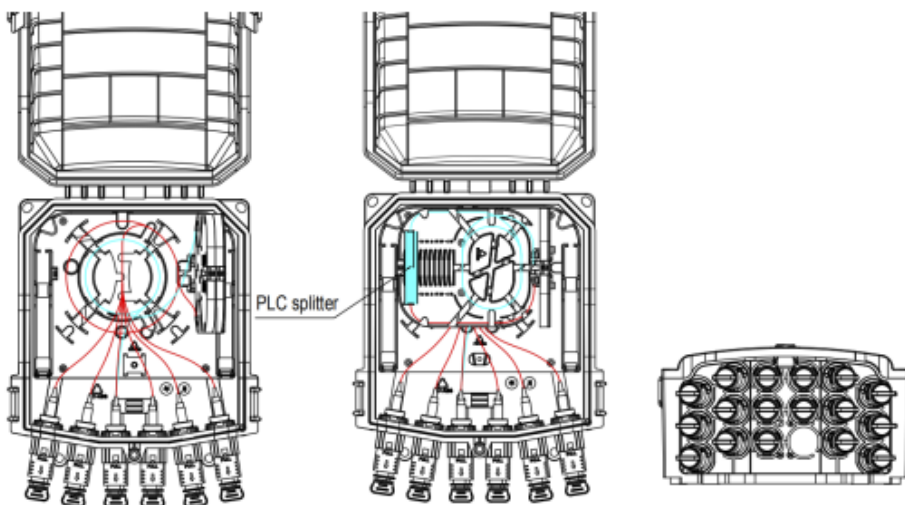
Model	Splitter or pigtail	IL(dB) Splitter	RL(dB) Splitter	IL(dB) Distribution box	Test method
AR-DB-CFS-16P-HC-FS17 / -2	Pigtail-SC/APC-00-SM-SX(1C1F)- OD0.9MM-PVC-G657A2-Cable Color(Default)-Indoor-RoHS-1.5m	≤0.3	≥55dB	≤0.5	IL: IEC61300-3-4 Method B RL: IEC61300-3-6 Method 1
	1x2 PLC Splitter, with SCAPC connector	≤4.0	≥55dB	≤4.2	
	1x4 PLC Splitter, with SCAPC connector	≤7.4	≥55dB	≤7.6	
	1x 8 PLC Splitter, with SCAPC connector	≤10.5	≥55dB	≤10.7	
	1x 16 PLC Splitter, with SCAPC connector	≤13.7	≥55dB	≤13.9	

The optical parameters shown in the table above are default values, and can be customized according to requirement

4. Routing diagram




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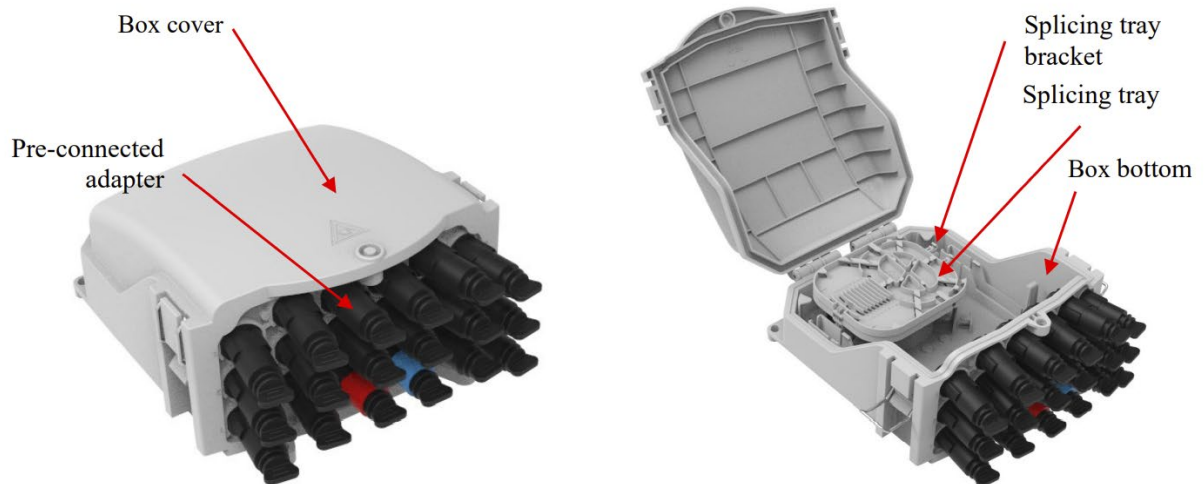
5. Splicing tray

Item	Splicing tray A
Dimensions(H x W x D; mm)	114*100*14
Net weight (kg)	0.028
Picture	
Color	PANTONE 428C
Material	PC+ABS/ABS
Splicing capacity of a tray(cores)	8(1 layers of heat shrinkable protective sleeve), 1 slot for 1:8 PLC, or 1 slot for 1:16 PLC.
Maximum(PCS)	2
Default(PCS)	2






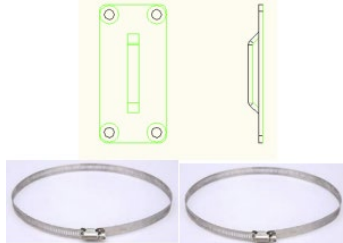
6. Configuration

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	2	Type A(Default)
5	Pre-connected adapter	pcs	18	Black(Default)



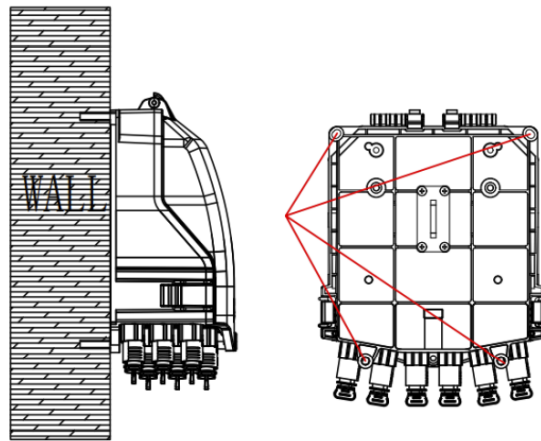
6.2 Accessories

No.	Part name	Reference picture	Unit	Quantity	Remark
1	Users' manual	/	pcs	1	EN
2	Splitter test report	/	pcs	1	EN
3	Key		pcs	1	
4	Heat-shrinkable protection sleeve		pcs	4	L=45mm(Default)
5	Nylon cable tie		pcs	10	3x100mm
6	Bare fiber protection tube		pcs	1	OD4mm x 50cm
7	Wall-mounted kit		set	1	Optional as customer's request. (Expanded plastic plug $\Phi 7.5 \times 40$ mm, Phillips self-tapping screws M5x40mm.)
8	Pole-mounted kit		set	1	Optional as customer's request

7. Installation

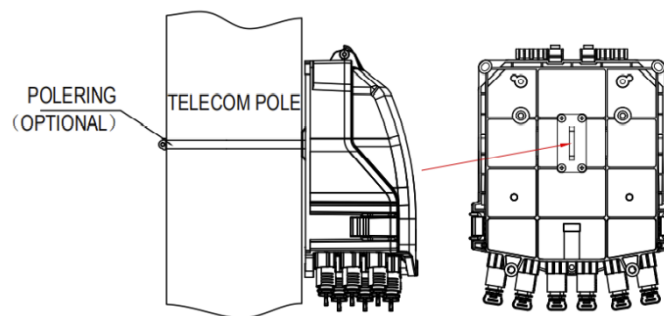
7.1. Wall-mounted installation

Drill 4 holes in the wall according to the dimension in table 2, place the expansion plug $\Phi 7.5*40$, place the box to match up the holes and use screws to fasten. (



7.2. Pole-mounted installation

Pass the stainless steel belt through the slot of the back plate and fix it on the pole



8. Package

Item	Material	Size(mm)	Quantity	Gross weight(kg)
Independent product packaging	Carton	275*230*135	1	1.25
Outer packaging carton	Carton	275*230*135	10	13.5

Note: Without drop cable storage tray