

## FIBER MANAGEMENT UNIT

AR-ODF-19"-XU-xxF-  
Series

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## 1. OVERVIEW

AR-ODF-19"-XU-xxF Series series fiber management unit is installed in 19" standard cabinet/frame as a unit box integrated with splicing and terminating function. Its installation and operation is convenient and flexible. It can be adjusted by hanging ears installation position to meet the needs of front, middle and rear installation, can be applied to the FC, SC, LC, ST adapters. Unit box with height of 2u, 3u, 4u, 5u, meet the 24 core, respectively, 72, 96, 48 core fiber terminal requirements.

## 2. STANDARD COMPLY

The provisions in following documents become the provisions of these specifications though quotation. For dated reference, subsequent amendments (excluding Corrigendum contents) or revisions do not apply to this standard, however, encourage the latest version of this specification according to the parties reach an agreement whether can use these files. For documents without date, its latest edition is suitable for this standard.

UL 94, Test for Flammability of Plastic Materials for Parts in Devices and Appliances  
YD/T 778-2011 Optical Fiber Distribution Frames

## 3. FOR THE ENVIRONMENT

- Operating temperature:  $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$
- Ambient humidity:  $\leq 95\%$  ( $+40^{\circ}\text{C}$ )
- Atmospheric pressure: 70 kPa $\sim$ 106 kPa

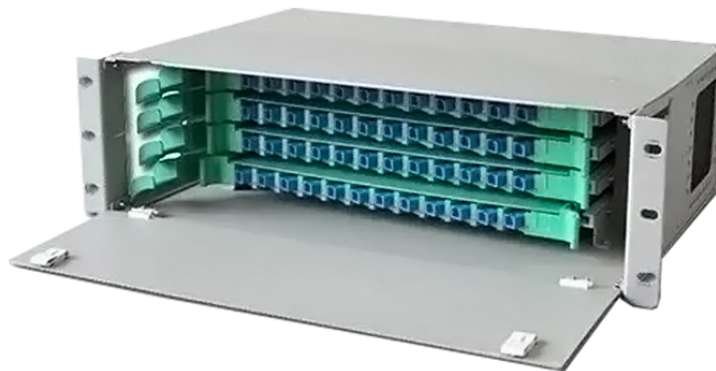
## 4. CHARACTERISTICS

- Standard 19" structure, convenient installation
- Plug and Play splicing and terminating tray, Universal adapter plug-in fits a variety of adapters such as SC, FC, LC, etc
- The cable can be introduced from left or right and be free to allocate

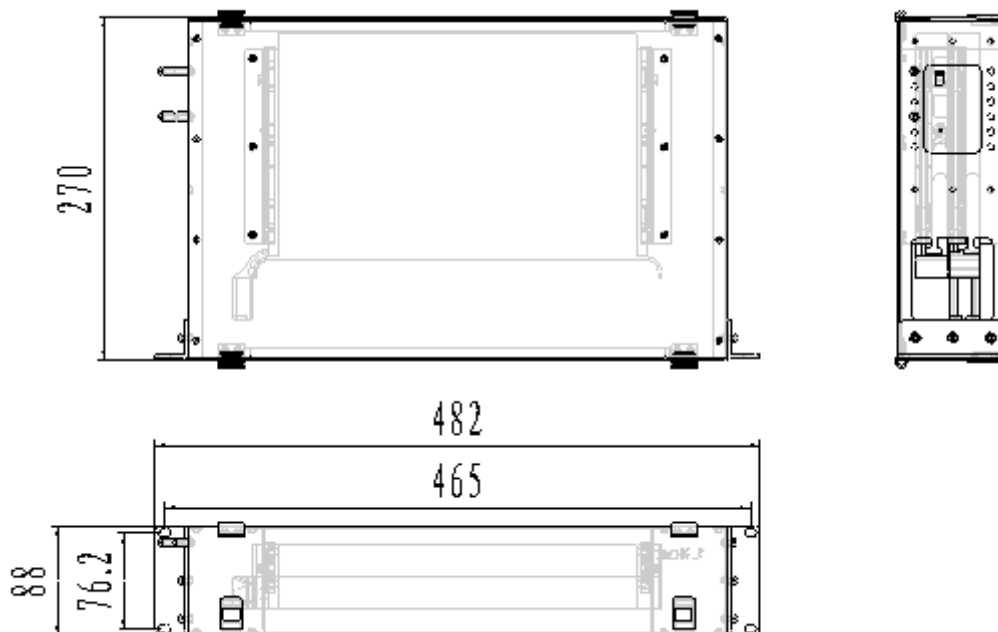
- Cable introducing, fixing and protection device can be chosen, suitable for ribbon and bunch optical fiber cable;
- Mounting lug position can be adjusted, adapting to different mounting scene

## 5. STRUCTURE AND DIMENSIONS

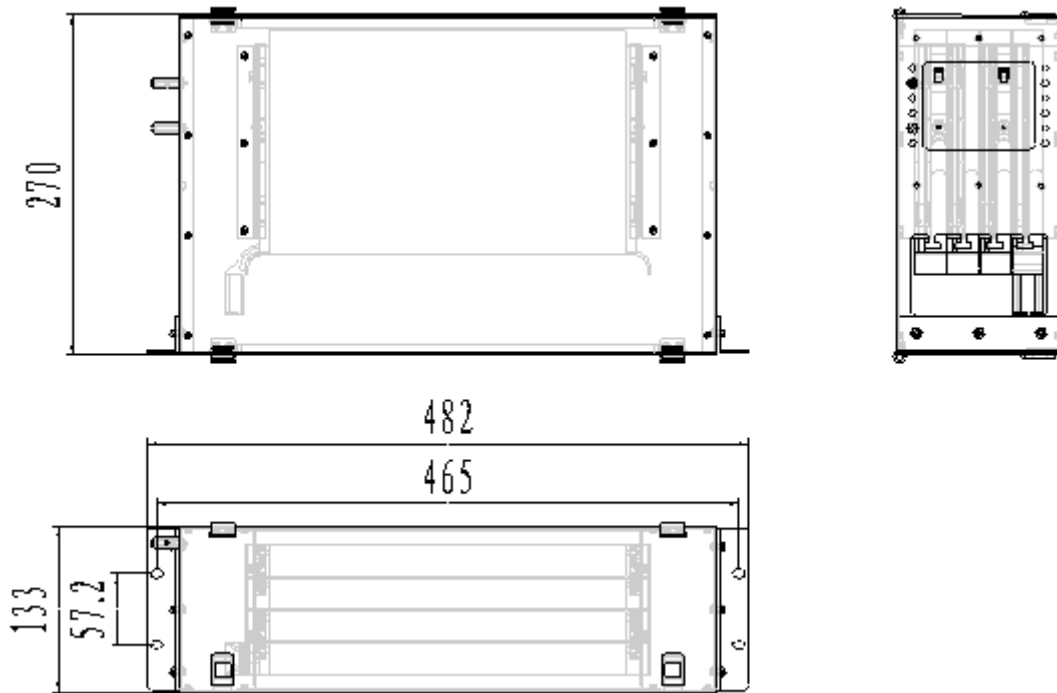
Picture 5-1 Physical photo of fiber management unit (24 cores as an example)



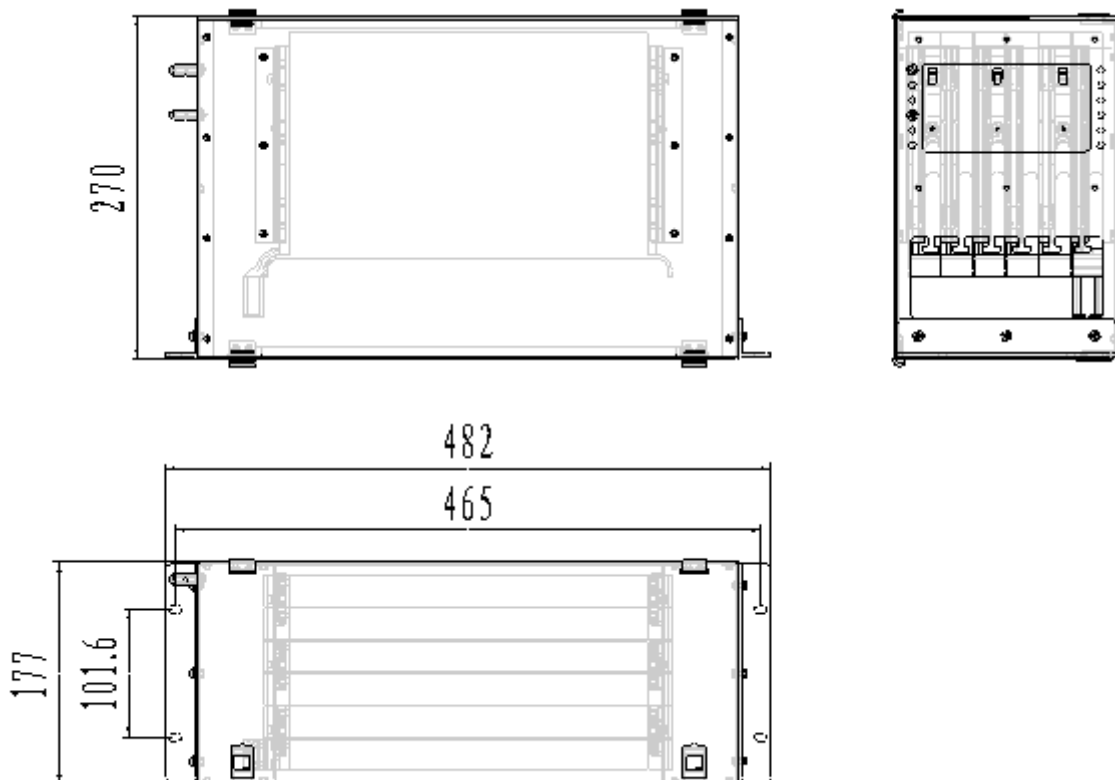
Picture 5-2 Structure and dimensions of 24 cores fiber management unit (AR-ODF-19"-XU-24F)



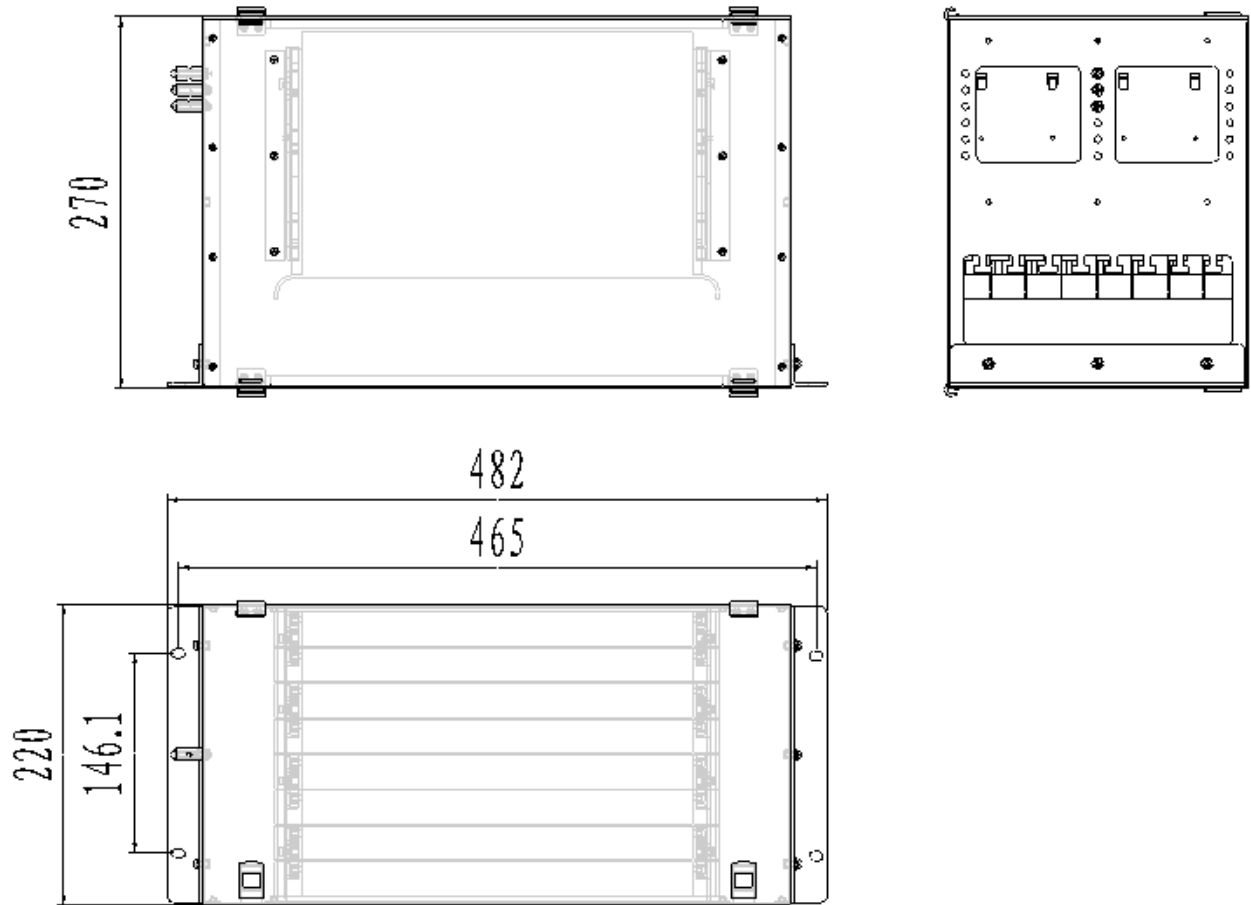
Picture 5-3 Structure and dimensions of 48 cores fiber management unit (AR-ODF-19"-XU-48F)



Picture 5-4 Structure and dimensions of 72 cores fiber management unit (AR-ODF-19"-XU-72F)



Picture 5-5 Structure and dimensions of 96 cores fiber management unit (AR-ODF-19"-XU-96F)



## 6. OPTICAL AND ELECTRICS PROPERTY

- Nominal operating wavelength: 850nm, 1310nm, 1550nm;
- Insertion loss (dB):  $\leq 0.2\text{dB}$ ;
- Return loss (dB): PC type  $\geq 45\text{dB}$ , UPC type  $\geq 50\text{dB}$ , APC type  $\geq 60\text{dB}$ ;
- Insulation resistance: not less than  $2 \times 10^4 \text{ M } \Omega / 500 \text{ V (DC)}$
- Withstand Voltage: not less than 3000V(DC)/1min.

## 7. MATERIAL OF COMPONENTS

Table 7-1 Materials of components

NO	Components	Material	Surface	Environmentally friendly	Flame rating
1	Box	Cold-rolled steel	Powder-coating	Y	/
2	Door holder	Plastic	/	Y	UL 94-V0
3	Splicing and terminating tray	Flame retardant ABS	/	Y	UL 94-V0

## 8. PACKAGE

- Using carton or wooden packaging for a variety of transportation service;
- Storage temperature  $-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$ , humidity  $\leq 90\%$  ( $+30^{\circ}\text{C}$ );
- Storage humidity :  $\leq 95\%$  ( $30^{\circ}\text{C}$ ), no corrosive gases around;
- Transport: cars, trains , ships and aircraft;
- Transportation to avoid a collision, drop, rain shower or the direct sunlight exposure.

## 9. ORDERING GUIDE

Table 9-1 Basic parameters of AR-ODF-19"-XU-xxF series fiber manage-

NAME	TYPE	Dimensions	Capacity (cores)	Note
		HXWXD (mm)		
Fiber management unit	AR-ODF-19"-XU-24F	2U×482×270	24	Can be configured in different lug hanging for 21 inch rack
	AR-ODF-19"-XU-48F	3U×482×270	48	
	AR-ODF-19"-XU-72F	4U×482×270	72	
	AR-ODF-19"-XU-96F	5U×482×270	96	

Table 9-2 Configuration list of AR-ODF-19"-XU-xxF Serie A Cross Connecting Cabinet

NO	NAME	TYPE	Dimensions	Quantity	Note
1	Fiber management unit	AR-ODF-19"-XU-24F	2U×482×270	1	
2	Splicing and terminating tray	YTP-01		2	
3	Adapter	FC/UPC(rectangle)	22×9.2×3	24	Other type can be chose for need
4	12 cores bunchy pigtail	SC/PC- 1.5m-φ0.9-G652 D		2	
5	Protective sleeve for fibre	φ3.8		4	
6	Protective sleeve for splicing	L=40		24	
7	NYLON Cable ties	L=250		20	

NO	NAME	TYPE	Dimensions	Quantity	Note
1	Fiber management unit	AR-ODF-19"-XU-24F	4U×482×270	1	
2	Splicing and terminating tray	YTP-01		6	
3	Adapter	FC/UPC(rectangle)	22×9.2×3	72	Other type can be chose for need
4	12 cores bunchy pigtail	SC/PC- 1.5m-φ0.9-G652 D		6	
5	Protective sleeve for fibre	φ3.8		12	
6	Protective sleeve for splicing	L=40		72	
7	NYLON Cable ties	L=250		40	



NO	NAME	TYPE	Dimensions	Quantity	Note
1	Fiber management unit	AR-ODF-19"-XU-24F	5U×482×270	1	
2	Splicing and terminating tray	YTP-01		8	
3	Adapter	FC/UPC(rectangle)	22×9.2×3	96	Other type can be chose for need
4	12 cores bunchy pigtail	SC/PC- 1.5m-φ0.9-G652 D		8	
5	Protective sleeve for fibre	φ3.8		16	
6	Protective sleeve for splicing	L=40		96	
7	NYLON Cable ties	L=250		50	