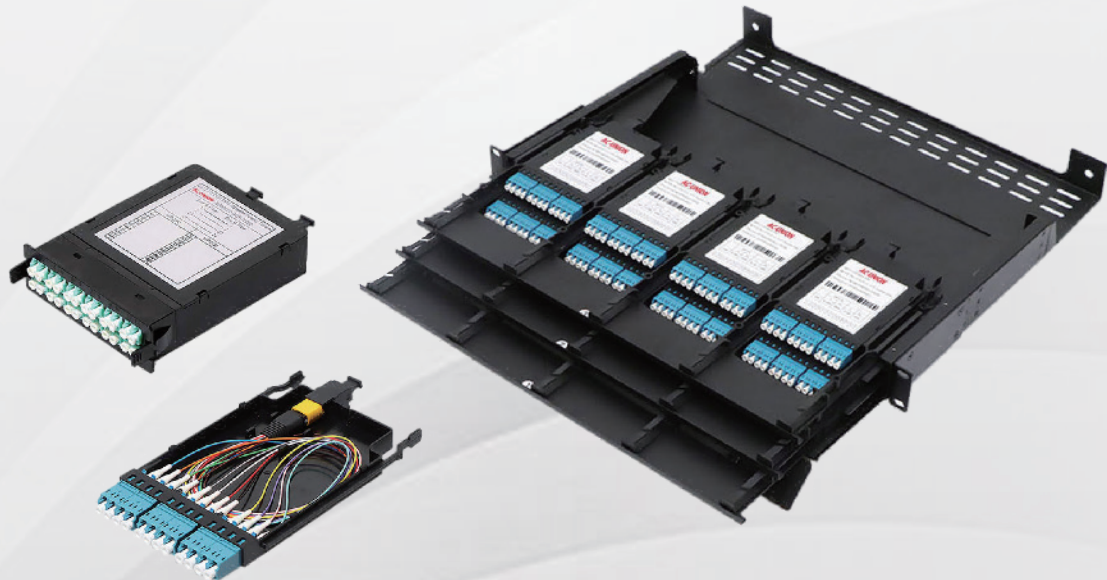


# HIGH DENSITY 19 INCH 1U MPO/MTP-LC 24F 48,72,96,144 CORE FIBER OPTIC PATCH PANEL

IDEAL FOR DATA CENTER HIGH DENSITY CABLING SYSTEM



## Features

- Installed in 19-inch racks and cabinets for centralized management of module boxes.
- Realize the growth of the number of ports through modular design and provide high-density optical fiber connection capabilities.
- MPO 1U optical fiber distribution box can be installed with 4 MPO terminal boxes. The terminal box can be installed with duplex LC adapter and can manage the number of fiber cores up to 96 cores. The terminal box can be installed with simplex SC adapter and can manage the number of fiber cores. Up to 48 cores, if the MPO adapter board is installed, the number of fiber cores can be managed up to 288 cores.
- The wiring box is made of high-quality cold-rolled steel plate. The plate is subjected to strict degreasing, pickling, rust-proof phosphating, and pure water cleaning, and then electrostatic spraying. The spraying thickness is 80μm-100μm, which meets the European ROHS environmental protection standards. .
- The design of optical fiber distribution frame includes cable management frame and label strip.
- The distribution frame is easy to install and easy to manage.
- It is more than four times the density of traditional spliced fiber patch panels, greatly saving cabinet space, improving cabinet utilization, and creating value for data center construction.
- It is convenient to upgrade and maintain with a modular structure.
- It also includes 1U/2U/3U cable management rack design.

# MPO Heald Module

- The MPO adapter module is mainly used to branch the 12-core MPO/MTP connector of the MPO/MTP backbone optical cable terminal into a single-core or double-core conventional connector. Single-core or double-core jumpers can be used to directly connect the output of the module to the output port of the system equipment, the distribution frame port or the user end. The feature of this adapter module is that the single-core or dual-core ports are at the front of the module, and you can choose a 12-port LC simplex connector or a 12-port SC duplex connector, and one or two adapters are installed on the back. The module is a transfer jumper, which directly connects the front panel of the module and the back adapter.
- MTP (Multi-fiber Push On) connector is one of the MT series connectors, which is produced by USCON company in the United States. The ferrules of the MT series adopt two guide holes with a diameter of 0.7mm on the left and right sides of the ferrule and the guide pin (also called PIN pin) for precise connection. The MTP connector and the fiber optic cable can be processed in various forms. MTP jumper. MTP jumpers can be designed with 2 to 12 cores, and most can be 24 cores. At present, the 12-core MTP connector is mostly used. The compact design of the MTP connector makes the MTP fiber jumper more cores and small in size. MTP jumpers are widely used in the wiring environment that requires high-density integrated optical fiber lines, FTTX and 40/100G SFP, SFP and other transceiver modules or internal and external connection applications of equipment.
- Transfer and non-transfer MTP jumpers, there are many types of transfer MTP jumpers, there are ribbon MTP jumpers, bundled MTP jumpers, PO jumpers fanned out through a splitter (round or square), Generally, 2~24 core 0.9 or 2.0 fiber optic cable branches can be transferred. The connector type is specified by the customer, and the types of FC, LC, SC, ST, etc. can be selected. The total length of the MTP jumper or the branch length and other requirements are left to the customer's choice. A variety of MTP fiber jumpers, MTP adapter jumpers, MTP types, MTP 10G jumpers, multi-mode 10G jumpers, MTP jumpers with splitter and other forms of MTP jumper products, all comply with Telcordia-GR-326 , IEC standards and ROHS requirements.

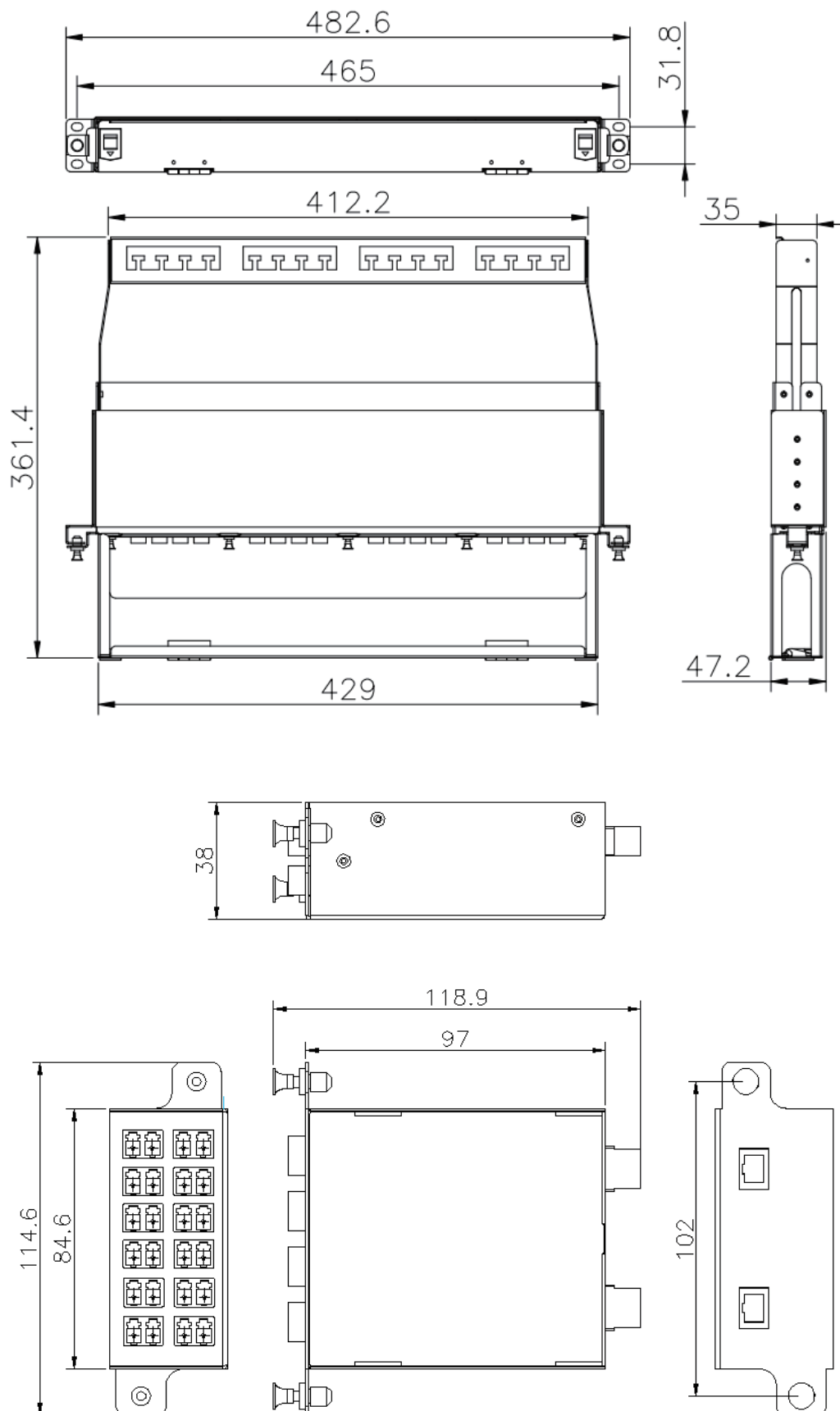
## Applications

- Data centers, pre-terminated installations
- Telecommunication networks
- Storage area networking fiber channel
- High density architectures

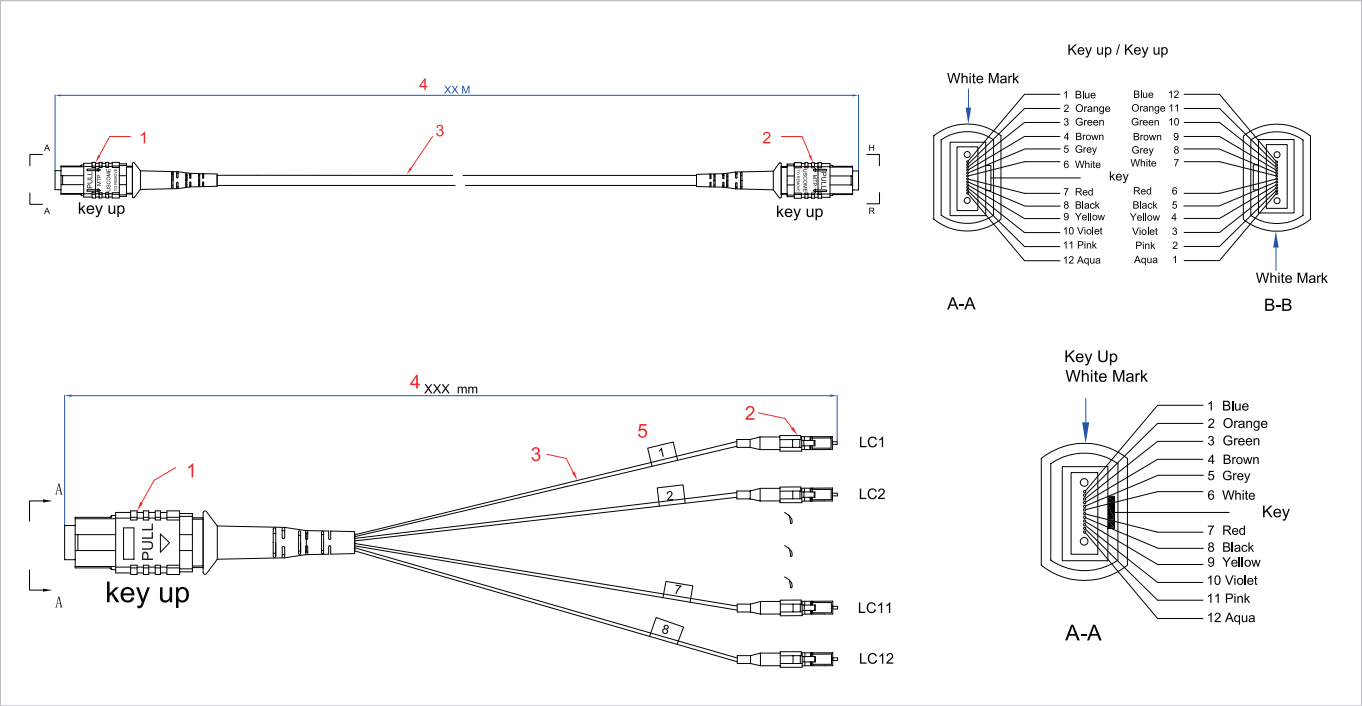
## Parameter

- Operating temperature:  $-5^{\circ}\text{C}$   $+40^{\circ}\text{C}$  relative humidity:  $\leq 90\%$  ( $+30^{\circ}\text{C}$ );
- Atmospheric pressure: 70Kpa-106Kpa Storage temperature:  $-40^{\circ}\text{C}$   $+70^{\circ}\text{C}$  ;
- Photoelectric charactics:  
Insertion loss: typical 0.35/Max 0.75dB  
Return loss: SM/APC  $\geq 60\text{dB}$ ; SM/PC  $\geq 50\text{dB}$ ;
- Push-pulling endurance life >1000times.

## Dimension(mm)



# Specification



# Components

No.	Items	Specification	Unit	Qty	Note
1	Distribution frame	Dimension(mm) as shown	set	1	
2	MPO Terminal Box	Dimension(mm) as shown		4	
3	Adapter panel	LC	pcs	48	
4	Adapter panel	MPO	pcs	8	
5	12F MTP/APC-12LC/APC SM patchcord	IL≤0.75 RL≥60	pcs	4	
6	12F MTP/APC-MTP/APC SM patchcord	IL≤0.75 RL≥60	pcs	/	