



Model

**MC 1402**

14-slot plug-in fiber optic transceiver rack

## 1. Product description

The MC1402 desktop optical transceiver rack is suitable for use in the equipment room. It can be plugged into 1~14 pieces of 100M MC100 desktop or Gigabit MC100GS desktop. It has main backup power supply and supports hot swap function, providing reliable and complete network system. Efficient and economical solution.

## 2. Performance characteristics

1. Plug-in design, easy loading and unloading, plug and play, support hot swap
2. 19" standard 2U rack, easy to install
3. The rack has 14 slots, which can be mixed and inserted for easy management and maintenance.
4. All aluminum alloy casing, high shielding and strong anti-interference ability
5. Built-in main backup power supply, low power consumption, stable and reliable, support hot swap
6. The working status indicator is complete, the working status is clear at a glance, and it is easy to maintain.
7. The average time between failures (MTBF) is over 100,000 hours, which is in line with carrier-class operating standards.
8. Complete after-sales service, providing three-year quality assurance and lifetime maintenance services

## 3. Specification

Technical Parameters

Operating temperature range: -10 ° C ~ 60 ° C

Storage temperature range: -40 ° C ~ 85 ° C

Relative humidity: 5% to 95%

Size: 482.6mm × 350mm × 88mm (length × width × height) 19 inches 2U

Power requirement

Power input: AC220V, 50~60HZ or DC48V optional

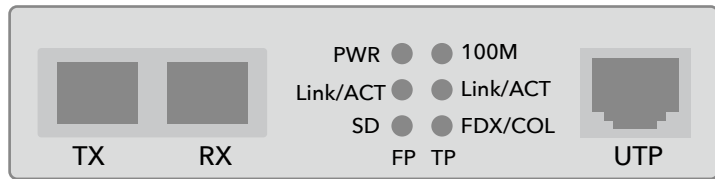
Power consumption: <60W

Single or primary backup dual power supply optional

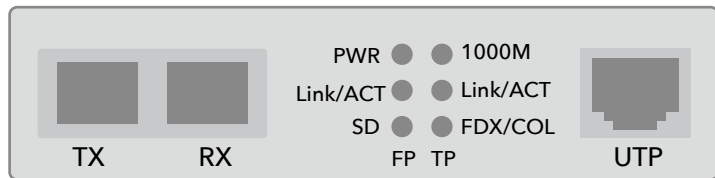
## 4. Dual power backup

The dual power supply and the two power supplies will supply power at the same time, which reduces the load of each power supply and prolongs the service life of the power supply. When one power supply fails, the other power supply can be powered independently, so that the operation of the transceiver is not interrupted. It is not necessary to remove the fiber transceiver when repairing and replacing the power supply, and it is not necessary to remove the rack from the cabinet. It is only necessary to remove the faulty power supply from the back of the rack for repair or replacement, which makes maintenance very convenient and quick.

## 5. LED Indicator light



( MC100 100M optical transceiver)



( MC100GS Gigabit Fiber Transceiver)

The external LED indicator of the 100/Gigabit fiber optic transceiver supports the power supply, network connection, optical port/electrical port working status indication, and intuitively visualizes the current system and network status, helping engineers to analyze field problems and monitoring.

## 6. LED Description

LED	Function	Status	Description
PWR	Power LED	ON	Power is ON
		OFF	Power is Fail
1000M 100M	UTP port speed LED	ON	1000M(100M) speed
		OFF	100M(10M) speed
LINK/ACT (FP)	Fiber port Link/Act statusLED	ON	Fiber link is OK
		Blink	Data is been received or transmitted
		OFF	Fiber link is fail
LINK/ACT (TP)	UTP port Link/Act status LED	ON	Link is ok
		Blink	Data is been received or transmitted
		OFF	Link is fall
FDX/COL	UTP port duplex LED	ON	Full duplex
		OFF	Half duplex
SD	Fiber signal status LED	ON	Fiber signal is detectd
		OFF	Fiber signal is not detectd

## 7. Precautions

To avoid personal injury or damage to this product and other products connected to it, please pay special attention to the following safety precautions:

1. Power supply voltage. The built-in power supply is in the form of AC220V~50/60Hz AC. Do not use it in other areas.
2. Use the appropriate power cord and power supply. You must use the power cord supplied with this product or another qualified power cord with a protective earth ground for the chassis; the protective ground of the power outlet that matches the power cord must be well grounded.
3. Pay attention to the grounding of the product. This product is grounded through a grounding conductor in the power cord. To avoid electric shock, the grounding conductor in the power cord must be well connected to the ground. Before connecting the optoelectronic ports of this product, make sure that the product is properly grounded.
4. Be aware of the limits of all ports. To avoid fire or electric shock, please pay attention to the fuselage of the product and all the limits or related signs marked in this manual before connecting this product. Use the prescribed fuse.
5. Do not take risks. When you suspect that this product is not working properly, please consult our professional service personnel, do not risk to continue to operate.
6. Vibration and collision. This unit contains precision optics, so avoid strong vibration and collision.
7. Do not open the cover or repair it without authorization. There are no user-serviceable parts in the casing of this product. Product maintenance can only be carried out by our company or professional maintenance personnel authorized by the company. The user's own opening of the cover is considered to automatically waive the product warranty right.

## 8. Mounting Dimensions Sketch Unit (mm)

