



DMC-1014

14 Slot Plug-in Fiber Optic Converter Rack Chassis

User's Manual

I. Product description

The DMC-1014 desktop optical converter rack is suitable for use in the equipment room. It can be plugged into 1~14 pieces of 100M media converter desktop or Gigabit media converter desktop. It has main backup power supply and supports hot swap function, providing reliable and complete network system. Efficient and economical solution.

II. Performance

characteristics

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

III. 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

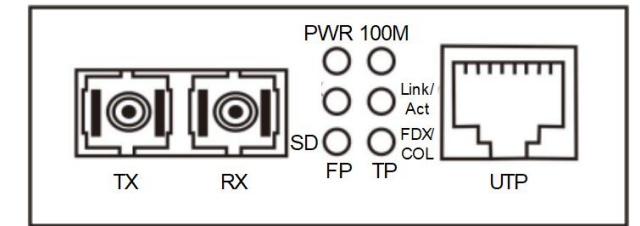
Power requirement

- Power input: AC110V/AC220V, 50~60HZ or DC48V optional
- Power consumption: <60W
- Single or primary backup dual power supply optional

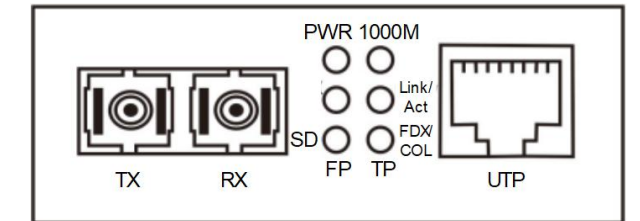
IV. Dual power backup

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.

V. LED Indicator light



(100M media converter)



(Gigabit media converter)

The external LED indicator of the 100/Gigabit fiber optic converter 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.

VI. LED Description:

LED	Function	Status	Describing
PWR	Power LED	ON	Power is ON
		OFF	Power is Fall
1000M 100M	UTP port speed LED	ON	1000M(100M) speed
		OFF	100M(10M) speed

LINK/ACT (FP)	Fiber port Link/Act status LED	ON	Fiber link is ok
		Blink	Data is been received or transmitted
		OFF	Fiber link is fall
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 detected
		OFF	Fiber signal is not detected

VII. 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:
note:

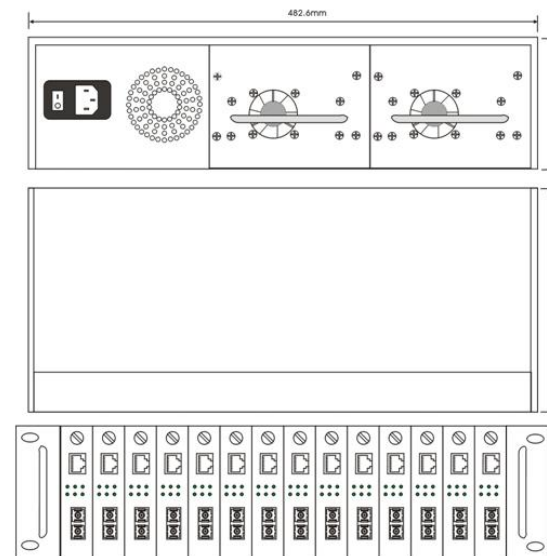
- Power supply voltage. The built-in power supply is in the form of AC110V/AC 220V~50/60Hz AC. Do not use it in other areas.
- Use the appropriate power cord and power supply. You must use the power cord supplied with this product or another qualified power cord with a protective earth ground for the chassis; the

protective ground of the power outlet that matches the power cord must be well grounded.

- 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.
- 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.
- 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.
- Vibration and collision. This unit contains precision optics, so avoid strong vibration and collision.
- 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.

VIII. Mounting Dimensions Sketch

Unit (mm)



IX. Installation steps

1. Fix the rack into a 19" standard cabinet
2. Twist down two fixed screws on the side of the external media converter shell, and fix the random attached small fixed bar on the side of the transceiver with a screw, with the big head screw in front.

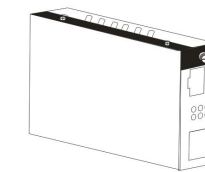
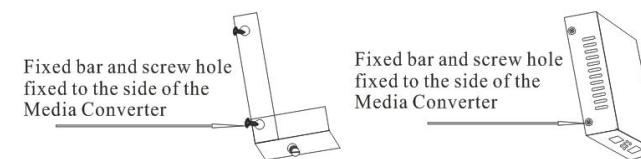


Fig. 1 Installation of Fixed Bar

3. Remove the baffle of the optical fiber rack, align the power socket behind the transceiver to the plug of the plug board in the rack, insert the media converter into the rack, and tighten the big head screw on the fixing bar after inserting it completely. Then the transmitter which will be loaded into the rack will be installed in the same way, and the front of the spare slot will be blocked with a baffle.

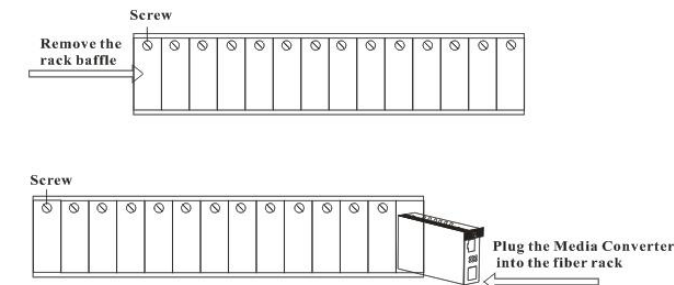


Fig.2 Installation of Media Converter to rack

