

CLR-MCR-14xx

Media Converter Rack



Overview

We have two types of rack-mounted chassis for unmanaged media converters : 2-U 14 slots media converter chassis and 2-U 16 slots media converter chassis .The 14 slots media converter chassis supports plug-and-play installation of stand-alone media converters convert modules ,can hold at most 14 pieces media converters. The 16 slots media converter chassis media converter chassis should be used with card-type media converters .The 16 slots media converter chassis can hold at most 16 pieces card-type converters.

It can work stably and adapt broad width of voltage .It can store strong power and can be operated and managed easily. The maintenance of this chassis is also very easy. This option is the very one to meet the requirements of good stability, high capacity, good integration and good quality.

This option supports hot-swap convert modules .It can work with single power supply or dual power supply as users wish, when the power supply should be maintained or changed ,it is not necessary to pull-out the converters ,this makes the maintenance easy. With all these advantages, this option can supply users with an effective solution of networks.

Installation

1. When you unpack this product package, please check the devices with packing list .
2. Install the converter chassis in a standard 19" cabinet and fix it .
3. For 14 slots media converter chassis: Unscrew two screws from the side next to the RJ45 port of the media converter .Then use these two screws to fix the carrier given with this option onto the side of media converter ,leaving the bigger side of the screws ahead. Then insert the converter to the chassis, make sure the power plug of chassis is inserted in the power port of media converter. When the converter is fully and firmly fit the chassis ,fasten the screws on the carrier .Follow the above steps ,install all necessary converters in the chassis, then block up any slots not for use

temporarily .Then go to step 5 .

4. For 16 slots media converter chassis: Insert the card-type converter to the guide rails of the slot ,leaving the bigger side of the screws ahead .Make sure the power plug of card-type converter is inserted in power port of chassis. When the card-type converter is fully and firmly fit the chassis ,fasten the screws .Follow the above steps ,install all necessary card-type converters in the chassis, then block up any slots not for use temporarily .Then go to step 5 .

5. Insert the RJ45 twisted pair to the electrical port of converter, and insert the fiber to the fiber port of the converter .Then connect the supplied AC to DC power adapter to the receptacle at the back of the chassis ,attach the plug into a standard AC outlet with a voltage range from 100 to 260 Vac or a DC outlet with a voltage of 48 Vac. Then turn the power switch on, the POWER LED Lamps in the chassis will on and at green color.(For 14 slots media converter chassis, the POWER LED Lamp is in front side. For 16 or 17 slots media converter chassis, the POWER LED Lamps are in both front side and back side.)Then the fans began to work, that shows the power supply of the chassis is normal and stable. The LED Indicator Lamps of converters installed in chassis should indicate valid network connections and working status. Then the chassis began to work stably.

6. If the chassis is with dual power supply, please turn on both two power supply ,and they will work together. This will extends the life cycle of the power supply, and can make sure the chassis work normally in case one of them broken down.

Fault and Maintenance

1. Finding out the problems.

When the electrical current becomes dangerous, the POWER LED Lamps of chassis will become red with alarm at the same time .When the problems have been cleared, the LED Lamps will back to normal.

If the fuse has blown, or the power supply has broken down, the POWER LED Lamps will be off, and the fans will not work.(The fuse is under the plug ,you can pull it out for checking or changing when necessary.)

When the fans of chassis broken down ,the POWER LED Lamps will be normal but the fans will not work. If this happens ,the power supply must be changed for new ones ,and we will do this for users ,you should not do it by yourself ,or you may break up the option s.

If the power supply of chassis is normal ,but the LED Lamps of converters are off ,there might be any problems with the connection between the plug board of chassis and the power supply ,you should stop the electrical current and pull out the power adapter for checking and reinserting.

2.Changing the power supply for new ones

When one of the dual power supply broken down ,the chassis can work normally ,then you should pull out the broken one then pull out the plug from it ,and change it for another new one ,then connect the plug again. When this is been done ,the chassis and converters will keep working.

When single power supply broken down ,just follow the above steps .But when this is been done ,the converters installed in the chassis will stop working until new power supply works normally.

Specifications

Number of slots :14 ; 16

Media converters adapted :

14 slots chassis : 10/100M or 1000M or 10/100/1000M stand-alone media converters

16 slots chassis : 10/100M or 1000M or 10/100/1000M card-type media converters

Power in :AC 100 V~260 V ; DC 48V

Power out :DC 5V

Diameter of DC plug :2.5/5.5 mm

Ripple≤50 Mv

Noise :≤50 Mv

Protection of power supply: circuit-breaker when overvoltage; circuit-breaker when overflow; circuit-breaker when short circuit

Operating Temperature: 0℃~50℃

Storage Temperature:-20℃~85℃

Humidity: 5%~95%

Dimensions:L423 ,W230,H90 mm ;19 inches 2U

Shipping Weight: 5.4Kg

Fault description	Cause description	Maintenance
POWER LED Lamps are off	Haven't connected the power plug or not a valid connection	Connect the power plug and make sure it is a valid connection
Link/Act LED Lamp is off	1.Haven't connected the electrical cables to the electrical port or not a valid connection	Connect the electrical cables to the electrical port and make sure it's a valid connection
	2.Used the wrong electrical cables for electrical connection	Use right type of electrical cables for electrical connection
	3.Any fault with the NIC and the terminal of Ethernet	To make sure the NIC and the terminal of Ethernet can work normally
FX and FX-link/Act LED Lamps are off	1.There might be any fault with the terminal optical devices	Check the terminal optical devices and the main fiber to see if they can work normally. If not ,then maintain them
	2.The optical fiber has broken down or the connection of optical fiber is not valid	
	3.The optical fiber is over-loss	

TX and FX LED Lamps are normal but the data can not be transmitted	1.The connection between optical fiber and devices is not valid ,this will ause the TX power not strong enough	1.Check the fiber connectors and make sure the connection between optical fiber and devices is valid
	2.The system get power just for a little moment or any changes for the network ,these may cost a little time for media converters to adapt	2.If this option can still not work a long time after all installations, then stop the power supply ,wait a little moment and try again with the power on