

Document Name: User Manual of SC09FER H, 16 Slots Unmanaged Media Converter Rack.



Many thanks for purchasing SC09FER. It is designed as a highly integrated central equipment with the length of 19 inch and height of 2U. Maximum 16 sets of 10M, 100M, 10/100M, 1000M multimode, single mode optical converter modules can be installed in one frame. This simplifies the structure and also facilitates easy management and maintenance.

Rack supports hot-swappable Media Converter modules. It can work with single power supply or dual power supply. The power supplies can be plugged / unplugged online.

Packing list

Please check the following items in the package before installing the transceiver.

Rack with cards	1set
Power Cable	1pcs
User manual	1pcs

Feature

- 16 slots in standard 19 Inch 2U Rack
- Supports plug-and-play media converter cards
- Sturdy Power supply
- Optional Redundant switching power supply supports stable and long-time operation
- Provided overvoltage and overcurrent protection, with ripple and noise less than 50mV

Installation

- Unpack the consignment and please check the devices with packing list
- Converters are installed in the rack. Check if all the screws are secured
- The blank slots are covered with blanking flaps
- Check the card-type converters are fully and firmly fit in the chassis, fasten the screws
- Insert the RJ45 twisted pair in the Ethernet port of converter and insert the fiber cable in the fiber port of the converter
- Connect AC socket of SMPS with a voltage input, range from 100 to 260V AC or a DC outlet with a voltage of 48V DC. Then turn the power switch ON, the "POWER LED" Lamps in the chassis will glow green. The POWER LED may be in the front or back side. Check if the SMPS fans are on
- The LED Indicators of converters installed in chassis should indicate valid network connections and working status
- If the chassis is with dual power supply, please turn on both the Power supplies

Technical parameters

- No's of slots : 16
- Media converters : 10/100 or 10/100/1000M card-type media converters
- Power supply : AC100 ~ 260V, DC 48V
- Ripple : ≤50mv
- Noise : ≤50mv
- Protection : Overvoltage. Over current and short circuit.
- Operating Temperature : 0 to 50°C
- Storage Temperature : -20 to 85°C
- Humidity : 5% to 95% rh non condensing
- Dimensions : L-423, W-230,H-90 mm , 19 inches,2U
- Weight : 5.4Kg

Fault and Maintenance of Power Supplies

- In case of Power supply issues POWER LED Lamps of chassis will go Red from Green. When the problems have been rectified, the LED Lamps will be back to normal
- If the fuse has blown, or the power supply is damaged, the POWER LED 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 are defective, POWER LED Lamps will be normal but the fans will not work. If this happens, the power supply must be changed for new ones. Pls report the issue to us
- If the power supply of chassis is normal, but the LED Lamps of converters are off, there might be a problem with the connection between the board of chassis and the power supply. Stop the Power pull out the power adapter for checking and reinsert. Please report to us if the problem is still unresolved

Fault and Maintenance of Media Converters

Fault description	Cause / description	Maintenance
POWER LED Lamps are not glowing	Power plug Not connected / not properly connected	Connect the power plug properly
Link/Act LED Lamp is Off	RJ45 cables not connected / securely connected to the electrical port	Connect & secure the Ethernet cables
FX and FX-link/Act LED's are Off	There might be any fault with the Remote optical devices	Check the Remote optical devices and the main fiber to see if they are working normally
	The optical fiber connection is not available	
TX and FX LED Lamps are normal but the data is not being transmitted	The connection between optical fiber and devices is not secured/correct	Check the fiber connectors and make sure the connection between optical fiber and devices is good