



# FCU-RACK16

## 16 Slots Universal Media Converter Rack

User's Guide

Ver:1.4



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### FCC Warning

The 16 Slots Universal Media Converter Rack has been tested and certified within Class A digital specifications under Part 15 of FCC Rules. These standards are designed to provide reasonable protection from harmful interference when these units are used in a commercial environment. These devices can use, generate, radiate radio frequency energy, and may cause harmful interference to radio communications unless installed in accordance with the instructions in this User's Guide. Operation of this device in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his/her expense.

### CE Mark Warning

The 16 Slots Universal Media Converter Rack is a Class A product. In some domestic environments it may cause radio interface in which case the user will need to consider adequate preventative measures.

### 1. Introduction

The Media Converter Rack, 16 Slots Universal Media Converter Rack is designed to accommodate sixteen separate and independent media converters within a rack-mountable rack.

The 16 Slots Universal Media Converter Rack is fitted with two hot-swappable power supplies and three hot-swappable fans for enhanced reliability. This means that if one supply fails, the other is capable of taking over immediately. The other benefit is when there's power supply or fan failure. The user simply replaces the failed unit with another one without taking down the whole 16 Slots Universal Media Converter Rack.

Power status is shown on the LED display enabling the user to monitor and respond as necessary. For optimum performance, please ensure that the 16 Slots Universal Media Converter Rack is seated in a well-ventilated position, enabling air to circulate above and below the unit

The 16 Slots Universal Media Converter Rack can also be installed in a standard 19-inch site rack; provision has been made for the appropriate connecting brackets.

***The Media Converter Rack has been designed to house only our proprietary range of media converters. Any other configuration is at the users own risk.***

## 2.0 Installation

### 2.1 Rack Mounting

The 16 Slots Universal Media Converter Rack can be mounted in a standard EIA 19-inch rack. Begin by aligning the mounting brackets along the sides of the unit with the slit over the holes. Secure the screws tightly to fit the brackets to the device before fixing it into the 19-inch rack. Please ensure that the ventilation holes are not obstructed. The step by step procedure is shown on the next page.

### 2.2 Media Converter

1. Screw upper & lower sliders on the media converter.
2. Carefully align the slider and slideway, then press them with firm and steady pressure.

### 2.3 Cabling

1. The correct cable specifications and distances will be listed in the media converter documentation.
2. Connect input media cable to the front of ( the now installed ) media converter.

### 2.4 Powering

1. Connect the female end of the power cord to the MCR.
2. Connect the male end of the power cord to an external AC outlet.
3. The power A, B LED's on the Rack will illuminate on installation
4. Similarly, the power indicator LED's on the media converter will illuminate when installation is complete.

## 3.0 Specifications

### Slot number

16 slots

### LED

Power A Activity  
Power B Activity

### Redundancy

2 Hot-swappable redundant Powers

### Power

Slide-in Power Module:  
Input AC 110V or 240V  
Output DC 5V  
Power Consumption:  
Empty Loading: 9.5W

### Typical Operation & Storage Temperature

Operation:0 ~ 50°C  
Storage Temperature: -20° ~ 60°C  
Humidity:5% ~ 90% non-condensing

### Dimension and Weight

Size: 440 x 385 x 88 mm (WxDxH)  
Shipping Weight:  
16 Slots Media Converter Rack:8.5KG  
Slide in AC Power Module:1.1KG

### Emission/Safety:

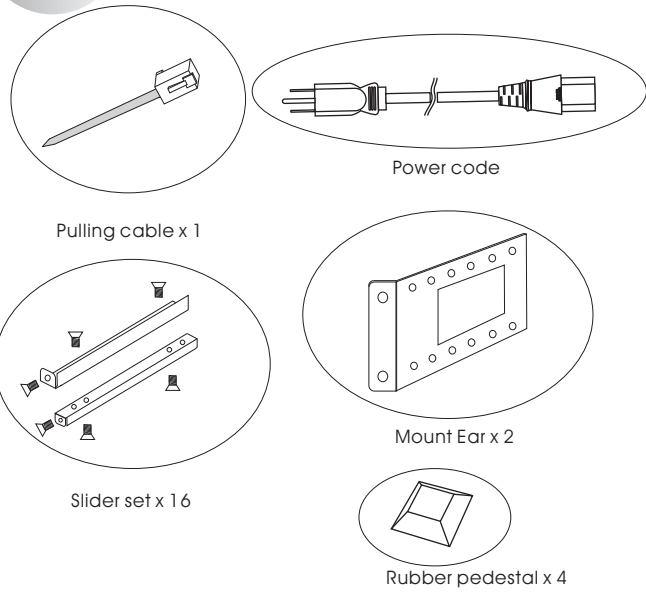
EMI : FCC Class A, CE  
\* For further reports, please contact us for update.

### Strongly Recommend:

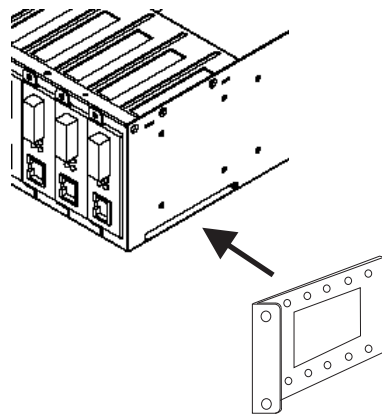
***To ensure the best performance of standalone media converters, please keep your environment temperature under 40 degrees Celsius. Or , install two power modules on your 16 Slots Universal Media Converter Rack***

# INSTALLATION AUXILIARY FIGURES

## 1 Accessories

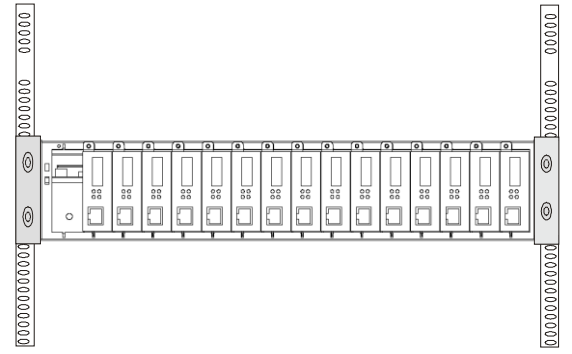


## 2 Mount Ear



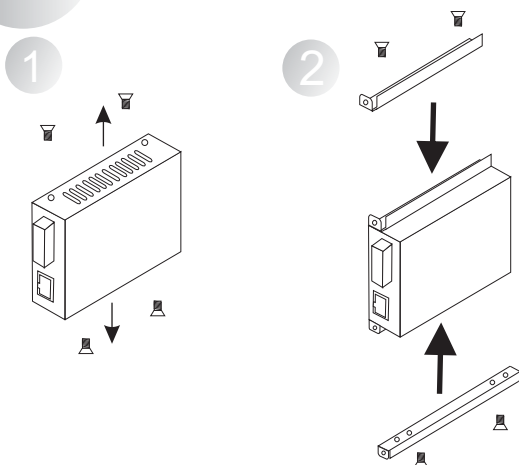
Take screws off to remove mount ear

## 3 Mount Rack



Fasten screws in rack to fix 16 Slots Universal Media Converter Rack

## 4 Upper and lower slider of Media Converter

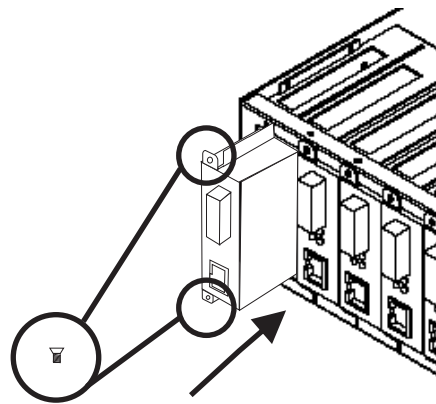


When installing media converter into the Chassis.

1. Take off 4 screws from media converter.
2. Fasten two sliders with screws at the top and bottom locations.

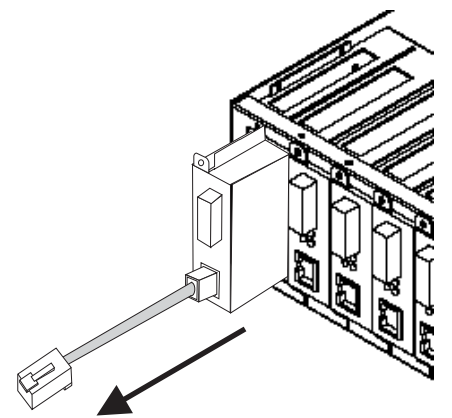
Note:  
For later use, there are 4 reserved screw holes on laterals for sliders.  
If your media converters are older, please unscrew first.(Refer to Point 1)  
If your media converters already has reserved lateral holes,please fasten the sliders directly.(Refer to Point 2)

## 5 Slide in



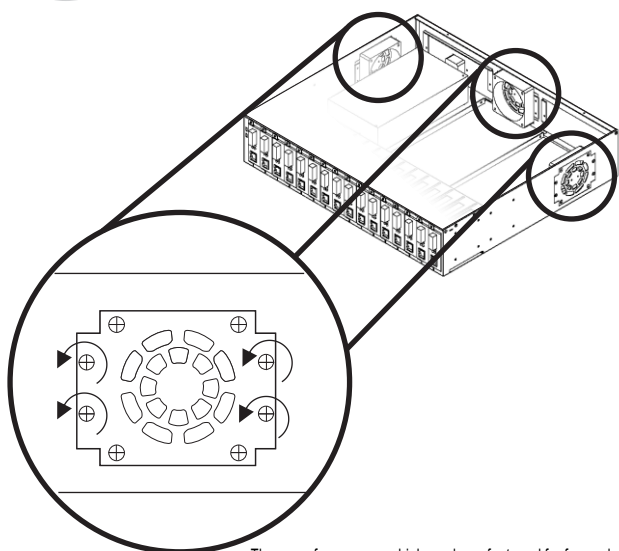
Push media converter into 16 Slots Universal Media Converter Rack and fasten screw on the slider of media converter

## 6 Slide out with pulling cable



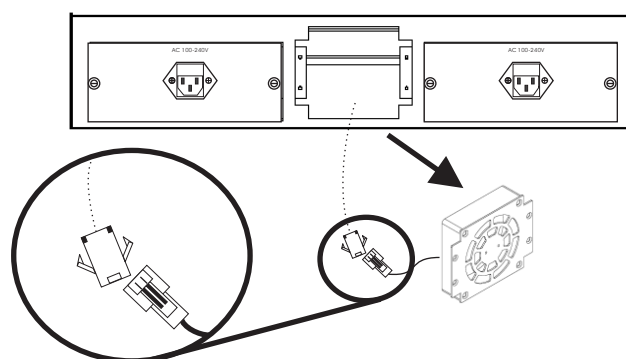
Pull out media converters with pulling cable.

## 7 Top view with fans location



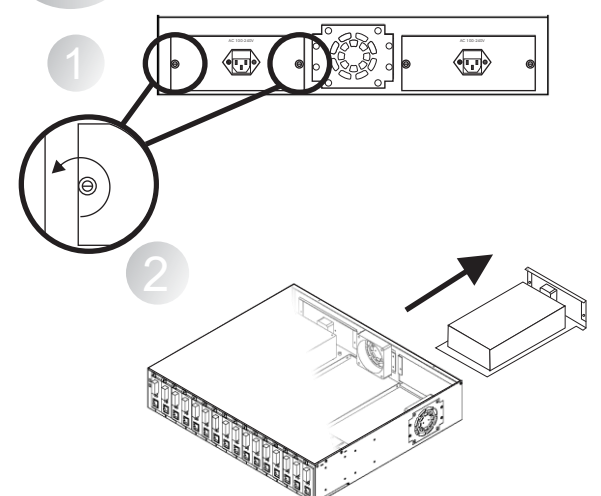
There are four screws which can be unfastened for fan replacement.

## 8 Fan replacement



- 1.Remove fan from 16 Slots Universal Media Converter Rack, then pull power jacket off.
- 2.Take a new fan, put back power jacket, push fan back in 16 Slots Universal Media Converter Rack, and fasten four screws

## 9 Power replacement



Turn off screws from the two sides of power supply then pull power supply out.