



The Raven Media Converter Chassis Installation Guide

- MIL-RCS10A 10 Slot chassis for Raven Converters, AC power
- MIL-RCS10D 10 Slot chassis for Raven Converters, DC power

1. Introduction

The Raven Converter Chassis provides compact management on up to 10 optional converter units, which allows your network connectivity to be more flexible. All converter units in the Chassis are also hot- swappable units.

Package Contents

- Raven Converter Chassis
- Rack mount kit
- Power cord (for AC unit)
- 4 rubber feet
- Warranty card
- User's manual

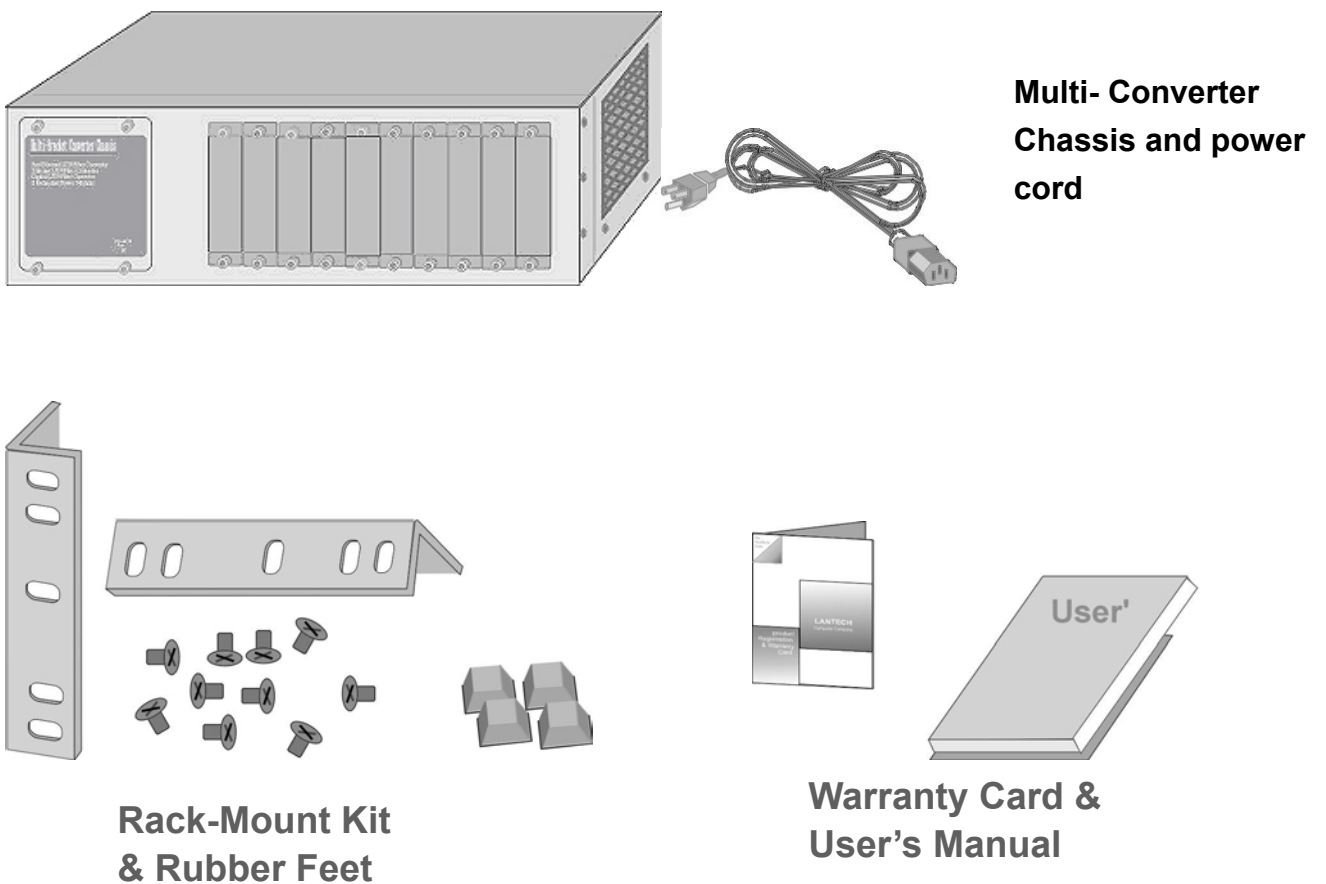


Figure 2. Package Contents

Compare the contents of your Raven Converter Chassis package with the standard checklist above. If any item is missing or appears damaged, please keep the carton and original packaging materials if possible in case you need to return the switch for repair.

2. Hardware Description

The Raven Converter Chassis is a bracket unit, and its chassis contains 10 slots for optional bracket converters. The Physical Dimensions of the Raven Converter Chassis are 440mmX 266mmX 133mm.

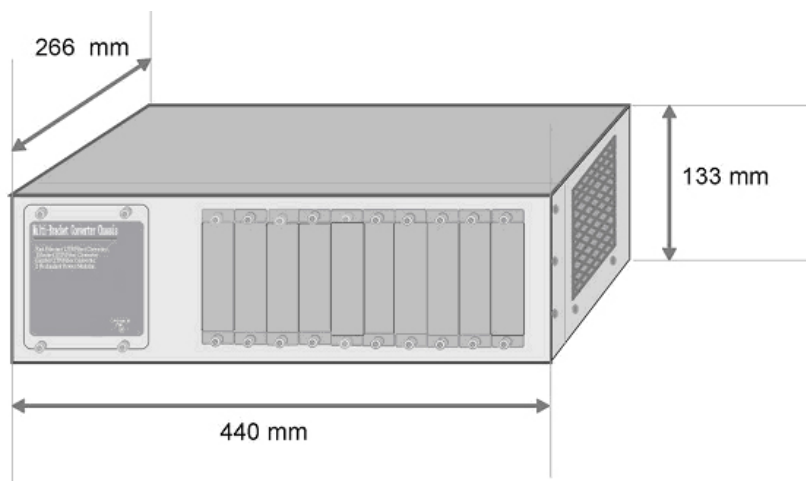


Figure 2-1. Physical Dimensions of the Raven Converter Chassis

Front Panel

The Front Panel of the Raven Converter Chassis contains 10 slots for optional bracket converters and LED to indicate power supply status.

Raven Converter Chassis

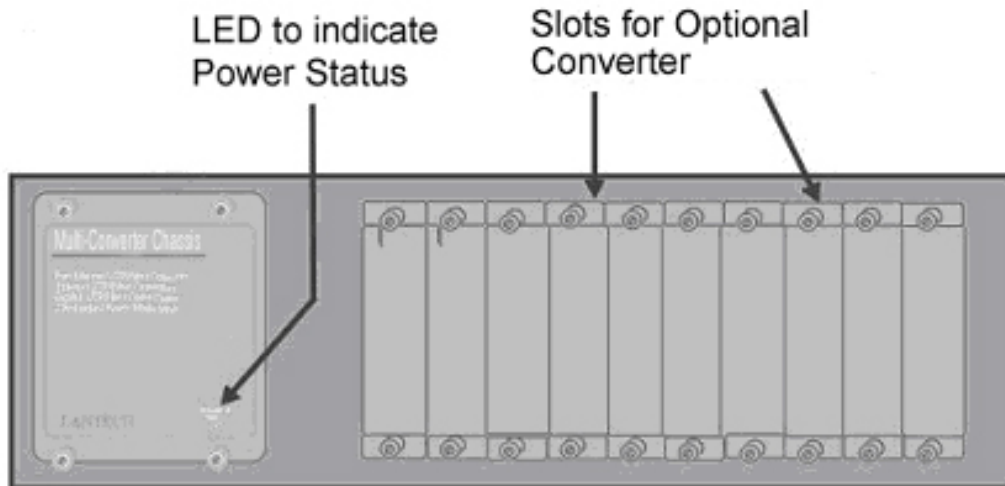


Figure 2-2. The Front Panel of the Raven Converter Chassis

LED

The LED located on the front panel of the Raven Converter Chassis. The LED is to indicate power supply status.

Real Panel

The 3-pronged power plug, On/off switch and ventilation fan are located at the Rear Panel of the Raven Converter Chassis displayed in Figure 2-3. The Chassis will work with AC in the range 100-240VAC, 50-60Hz.

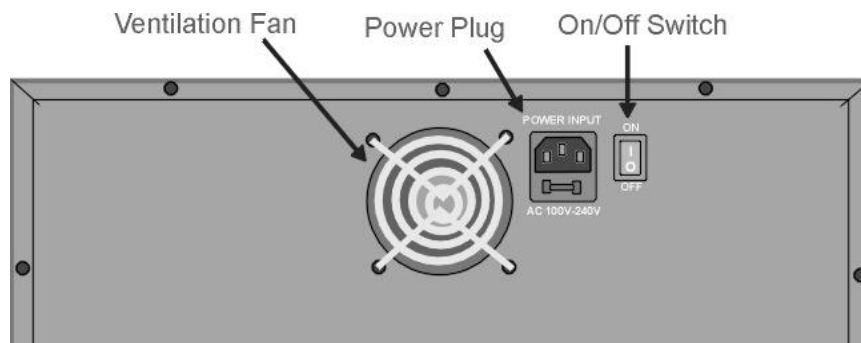


Figure 2-3. The Rear Panel of the Raven Converter Chassis

3. Installation of Converters into the chassis

Installing Modular Converters into Chassis

You can follow the steps to install modular converters:

- a. Remove the blank bracket by rotating thumbscrew counterclockwise. Put the blank bracket aside, but don't discard blanket bracket.
- b. Open the rack mount ear kit. The kit contains two rack mount ear (with thumbscrew) and four screws.
- c. Attach rack mount ear on both sides of the modular converter by using a screwdriver to secure the rack mount ears. (See Figure 3-11)



Figure 3-11. Attach rack mount ears on both sides of the modular converter

- d. Install the modular converter by inserting it into the guides and sliding it in until it stops. Press it firmly until the power plug in the chassis plugs into the modular converter receptacle. Slide the modular converter in smoothly. (See Figure 3-12)
- e. Gently push the thumbscrews in and turn clockwise to tighten. Do not over tighten the thumbscrews.

Raven Converter Chassis

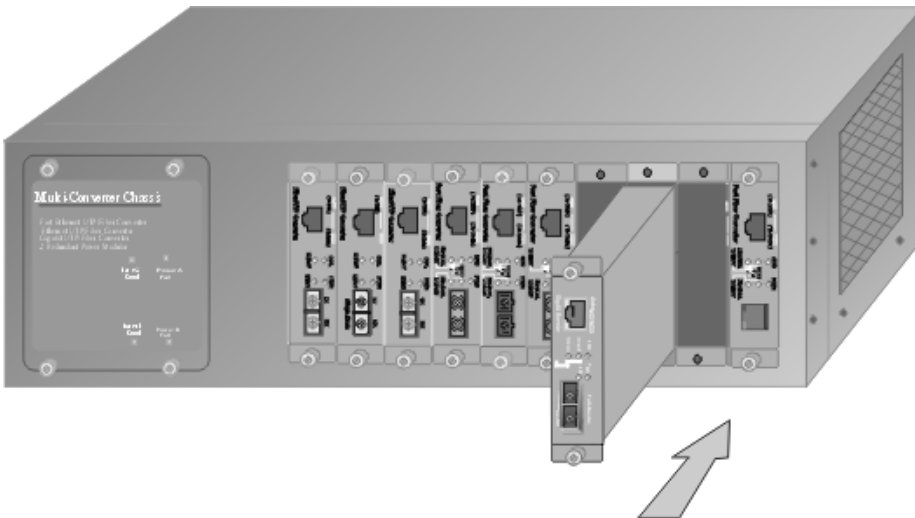


Figure 3-12. Installing Modular Converters into Chassis Slot

Hardware Installation

The Raven Converter Chassis is suitable for use in an office environment where it can be rack-mounted in standard EIA 19-inch racks or standalone.

Desktop Application

1. Set the Raven Converter Chassis on a sufficiently large flat space with a power outlet nearby.
2. Apply the rubber footpads to each corner on the bottom of the Chassis. These pads cushion the switch against shock/vibration.
3. Connect the power cord. The power supply is self-adjusting for AC input power between 110 and 220 Volts.

Note: Air vents must not be blocked and must have free access to the room ambient air for cooling.

Rack Mounting

To stack Raven Converter Chassis in a standard 19-inch EIA rack, use the supplied mounting kit. This kit contains 2 side-mounting brackets, 10 bracket screws, and 4 larger rack-mount screws.

Perform the following steps to rack mount the Chassis:

1. Position one bracket to align with the holes on one side of the switch and secure it with the smaller bracket screws. Then attach the remaining bracket to the other side of the switch.

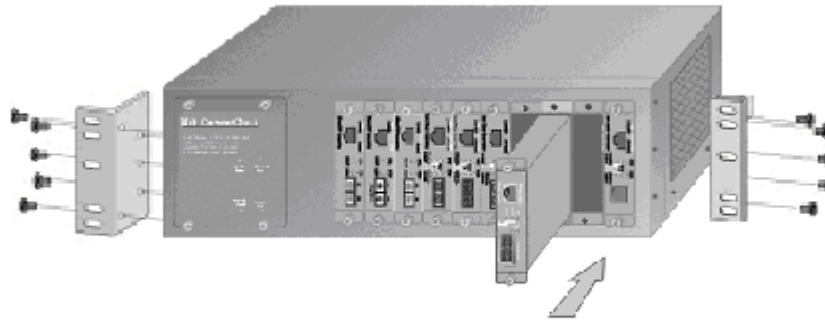


Figure 4-1: Attaching Mounting Brackets

2. After attached both mounting brackets, position the switch in the rack by lining up the holes in the brackets with the appropriate holes on the rack. Secure the switch to the rack with a screwdriver and the supplied rack-mount screws.

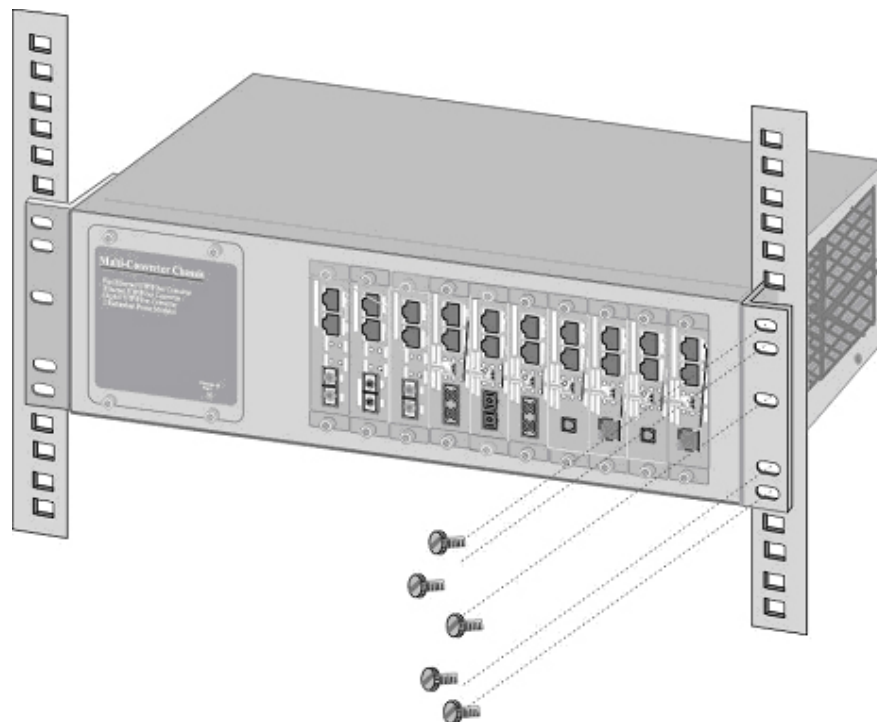


Figure 4-2: Rack Mount the Chassis

Note: For proper ventilation, allow about 6 inches of clearance on all sides of the Chassis.

Raven Converter Chassis

Regulatory Standards

- FCC Class A
- UL 1950 Compliant
- CSA C22.2 Number 950 Compliant
- CE

Canadian EMI Notice

This Class A digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Notice

Products with the CE marking comply with both the EMC Directive (89/336EEC) and the Low Voltage Directive (73/23EEC) issued by the commissions of the European Community.

Compliance with these directives implies conformity to the following European norms:

- EN55022 (CISPR 22) - Radio Frequency Interference
- EN61000-X - Electromagnetic Immunity
- EN60950 (IEC950) - Product Safety

Five-Year Limited Warranty

MiLAN Technology warrants to the original consumer or purchaser that each of its product and component thereof, will be free from defects in material and/or workmanship for a period of five years from the original factory shipment date. Any warranty hereunder is extended to the original consumer or purchaser and is not assignable.

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Please have the product serial number and revision level, and date and place of purchase ready.

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