4) CABLE MANAGEMENT TRAY OPERATION

Modules can be inserted and/or removed from the chassis by loosening the thumbscrews and swinging the Cable Management Tray downwards as illustrated in Figure 5.
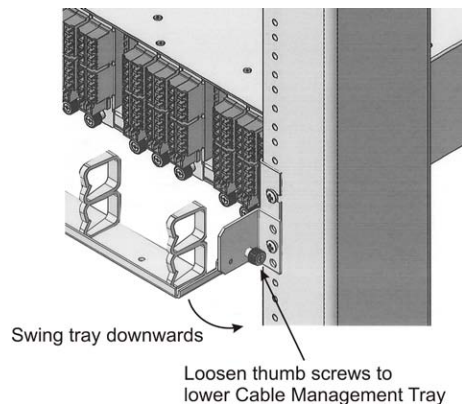

Swing tray downwards

Loosen thumb screws to
lower Cable Management Tray

Figure 5: Cable Tray Operation

Fiber optic and copper cables are routed through the cable clips on the Cable Management Tray. Cables can be routed through both ends of the Cable Management Tray to maximize the number of installed cables. A service loop in all cables must be provided to allow the Cable Management Tray to swing downwards.
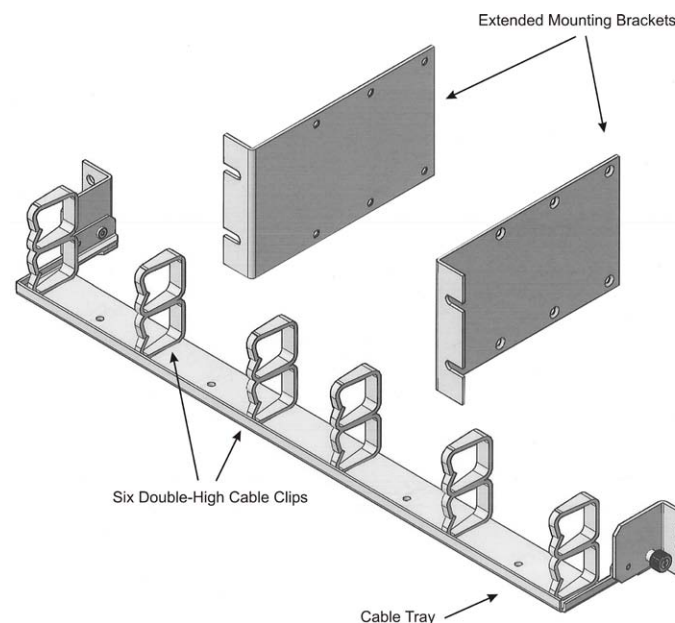
Omnitron Systems Technology, Inc.

iConverter Cable Management Kit
Installation Guide

Product Overview

The *iConverter* Cable Management Kit organizes the routing of fiber and copper cables providing a secure, clean and orderly installation. The Cable Management Kit is used with the *iConverter* 19-Module Chassis.

Cable Management Kit consists of the following items:

- Cable Tray with six double-high cable clips
- Two extended mounting brackets with twelve 1/4" 4-40 flat head machine screws
- Two rack mounting screws 1/2" 10/32 truss head machine screws

Extended Mounting Brackets

Six Double-High Cable Clips

Cable Tray

Installation Procedure

1) Install/Remove Cable Clips

2) Install Extended Mounting Brackets

3) Install Cable Management Tray

4) Cable Management Tray Operation

1) INSTALL/REMOVE CABLE CLIPS

To install the Cable Clips on the Cable Management Tray, push the pin located on the bottom of the Cable Clip into the hole on the Cable Management Tray until the pin is fully inserted.

To remove the Cable Clips, pinch the barbs on the pin located on the bottom of the Cable Clip and pull up on the Cable Clip.

2) INSTALL EXTENDED MOUNTING BRACKETS

New Installation

Install the extended mounting brackets to the sides of the 19-Module chassis as illustrated in the Figure 1. Use the screws included in the Cable Management Kit.
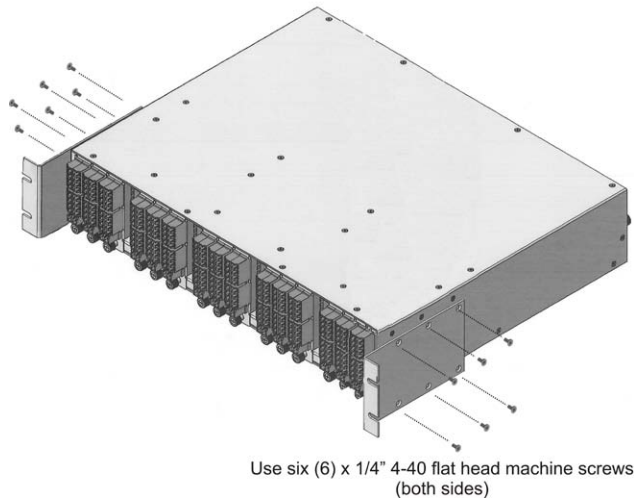

Use six (6) x 1/4" 4-40 flat head machine screws
(both sides)

Figure 1: Installation of Extended Mounting Brackets

After the brackets are secured to the chassis, rack-mount the chassis in the equipment rack. Once the chassis has been secured to the equipment rack, the Cable Management Tray can be installed per Figure 3.

Upgraded Installation

On an existing 19-Module chassis with standard mounting brackets, remove and replace the standard mounting brackets with the extended mounting brackets. Remove the six (6) screws securing the standard mounting bracket to the chassis as illustrated in Figure 2.
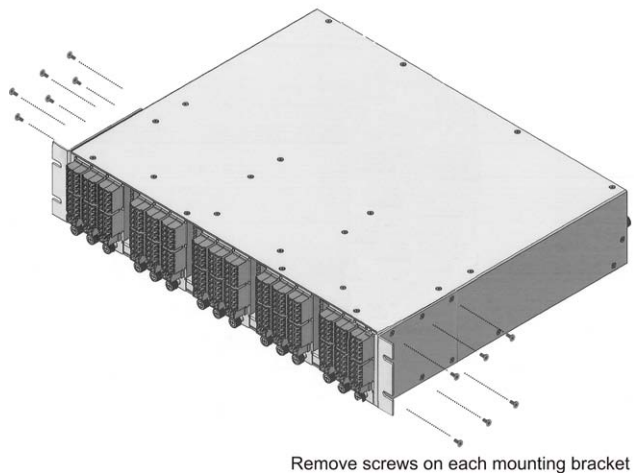

Remove screws on each mounting bracket

Figure 2: Removal of Standard Mounting Brackets

Install the new extended mounting bracket as illustrated in Figure 1. Use the screws included in the Cable Management Kit.

After the brackets are secured to the chassis, rack-mount the chassis in the equipment rack. Once the chassis has been secured to the equipment rack, the Cable Management Tray can be installed per Figure 3.

3) INSTALL CABLE MANAGEMENT TRAY

Remove the lower rack mount screw, if installed, from the extended mounting bracket. It is important to provide support to the chassis during this operation.
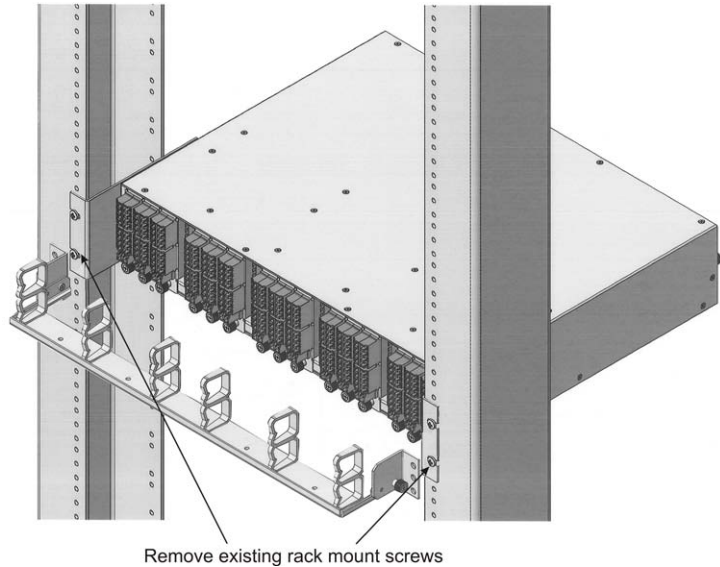

Remove existing rack mount screws

Figure 3: Removal of Rack Mount Screws

Secure the Cable Tray to the lower rack mount hole in the equipment rack using the existing rack mount screw or the rack mount screws included in the Cable Management Kit as illustrated in the Figure 4.
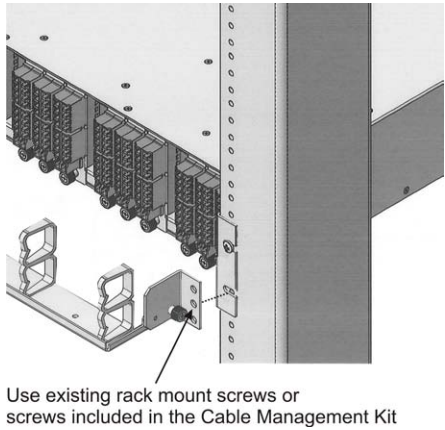

Use existing rack mount screws or
screws included in the Cable Management Kit

Figure 4: Cable Tray Installation