

*i*Converter Compact Chassis  
Installation Guide

**Product Overview**

The *i*Converter 19-Module Compact Chassis provides an innovative approach to increase the number of CWDM connections in a 2U (3.5 inch) high rack space. The Chassis can be ordered as a single, front-loading chassis or as a dual front and rear loading chassis kit. It can be mounted in a 19" or 23" equipment rack.

**Single Front-Loading Chassis**

The single front-loading chassis (8210-1) consists of the following items:

- Single front-loading chassis
- Two 19" L-shaped rack mounting brackets with twelve 1/4" 4-40 flat head machine screws

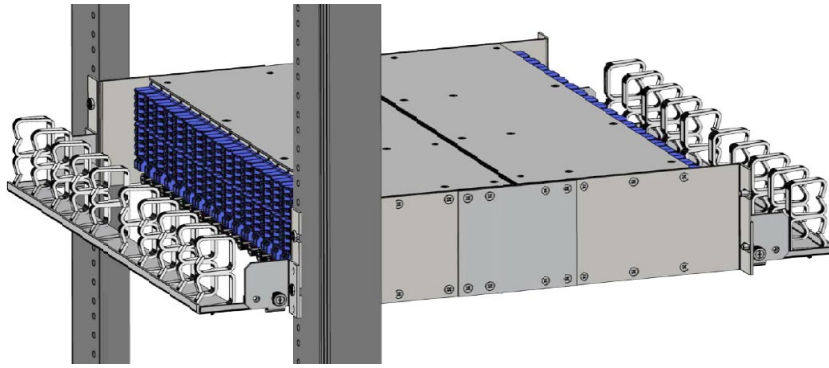


Figure 7: Dual Front and Rear Loading Chassis with Optional Cable Management Tray

Figure 7 illustrates the dual, front and rear loading chassis with optional CWDM modules and Cable Management Kits installed in a 19" rack.

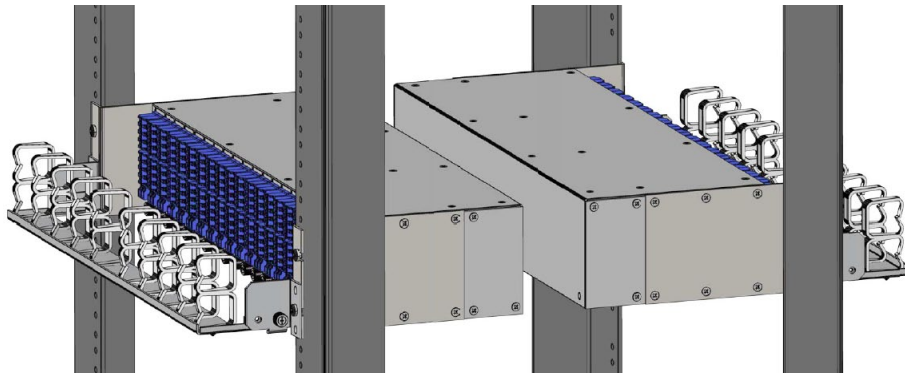


Figure 8: Two Single Front-Loading Chassis with Optional Cable Management Tray

Figure 8 illustrates two single, front-loading chassis with optional CWDM modules and Cable Management Kits installed in a 19" rack with front and rear rails.

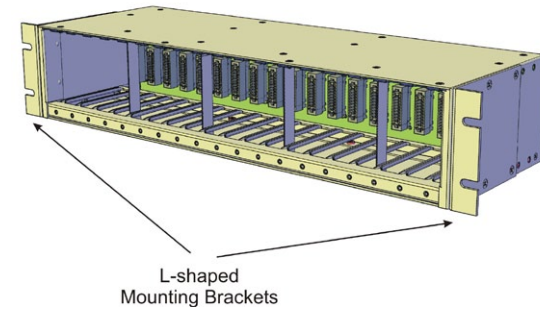


Figure 1: Single Front-Loading Chassis

**Install L-shaped Mounting Brackets**

Install the L-shaped mounting brackets to the sides of the Compact chassis as illustrated in the Figure 2. Use the 1/4" 4-40 machine screws included with the chassis.

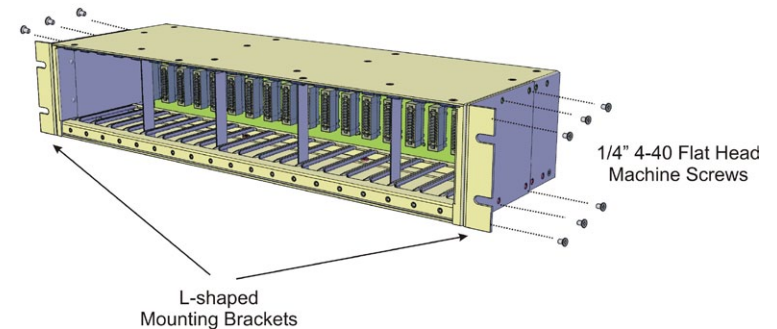


Figure 2: Installation of Mounting Brackets on Single Front-Loading Chassis

After the brackets are secured to the chassis, rack-mount the chassis to the equipment rack as illustrated in Figure 6.

To install the chassis in a 23" rack, use the optional 23" L-shaped rack mounting brackets (8091-2).

### Dual Front and Rear Loading Chassis

The dual front and rear-loading chassis (8210-2) consists of the following items:

- Two single front-loading chassis
- Four 19" L-shaped rack mounting brackets with sixteen 1/4" 4-40 flat head machine screws
- Two coupling brackets (pre-installed by the factory)

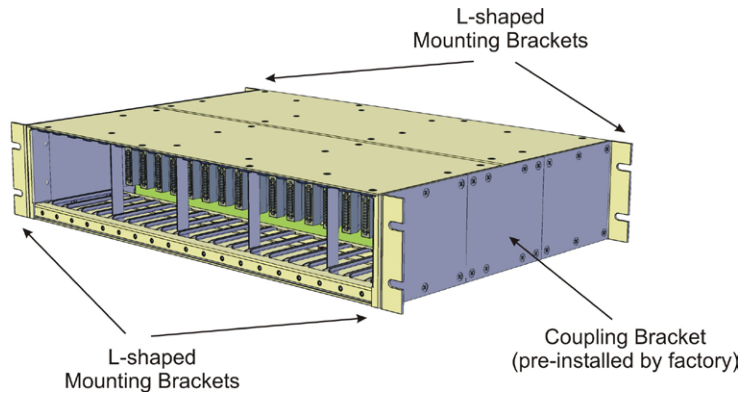


Figure 3: Dual Front and Rear Loading Chassis

### Install L-shaped Mounting Brackets

Install the L-shaped mounting brackets to the sides of the Compact chassis as illustrated in the Figure 4. Use the 1/4" 4-40 machine screws included with the chassis.

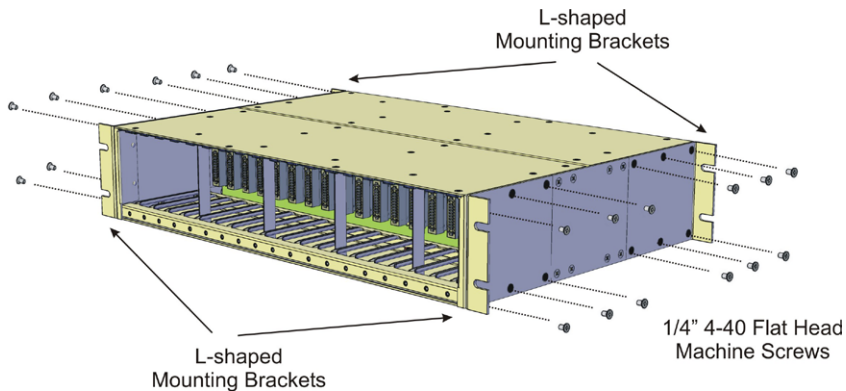


Figure 4: Installation of Mounting Brackets on Dual Front and Rear Loading Chassis

After the brackets are secured to the chassis, rack-mount the chassis to the equipment rack as illustrated in Figure 7.

To install the chassis in a 23" rack, use the optional 23" L-shaped rack mounting brackets (8091-2).

### Upgrading a Single Front-Loading Chassis

Two single front-loading chassis can be configured as a dual front and rear loading chassis by using the optional coupling bracket (8097-2). To upgrade the single front-loading chassis to a dual front and rear loading chassis, install the coupling bracket to the sides of the chassis as illustrated in Figure 5. Use the 1/4" 4-40 machine screws included with the coupling brackets (8097-2).

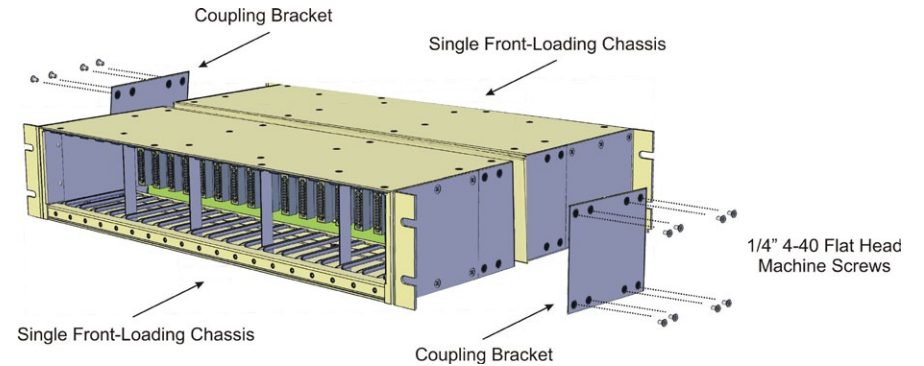


Figure 5: Installation of Coupling Brackets on Two Front-Loading Chassis

After the brackets are secured to the chassis, rack-mount the chassis to the equipment rack as illustrated in Figure 7.

### Optional Cable Management Tray

The iConverter Cable Management Kit organizes the routing of fiber and copper cables providing a secure, clean and orderly installation. The Cable Management Kit can be used with the iConverter Compact Chassis..

See the iConverter Cable Management Tray User Manual for installation instructions.

<https://omntron-systems.com/products/iconverter-multi-service-platform/chassis-mounting-options/iconverter-cable-management-kit>

### Rack Mounting Options

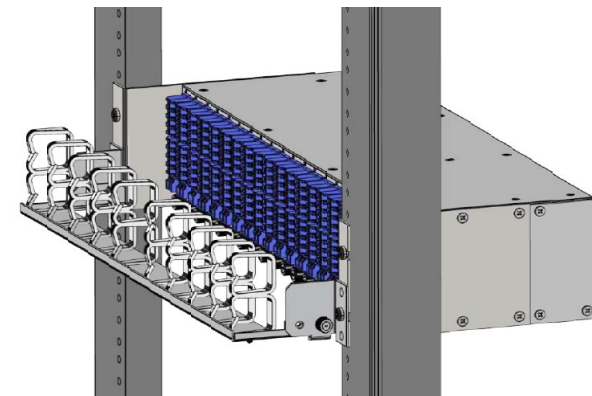


Figure 6: Single Front-Loading Chassis with Optional Cable Management Tray

Figure 6 illustrates the single, front-loading chassis with optional CWDM modules and Cable Management Kit can be installed in a 19" rack.