

Installation Guide

UCConect 1RU Patch Panel PP9516 Drawer Type Empty and 9500 Series Products.

1. DESCRIPTION

Prysmian UCConnect PP9516 Patch Panel is designed to be installed in clean and dust free telecommunication network facility such as Central Office, Equipment Room or Data Center. It can accommodate to 48 and 96 terminations. Each PP9516 Patch Panel supports either “Pre-Terminated” or “Splice” configuration as per following Figure 1a and 1b respectively.

Figure 1a. Splice Configuration

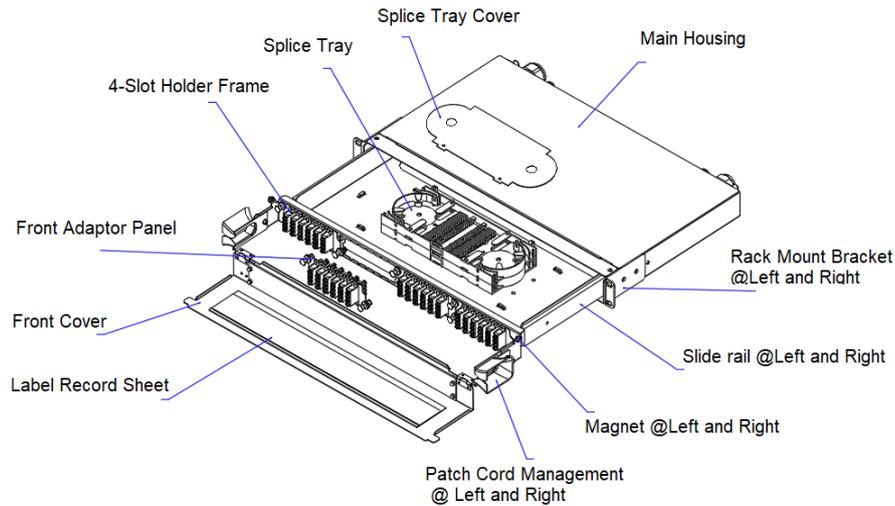
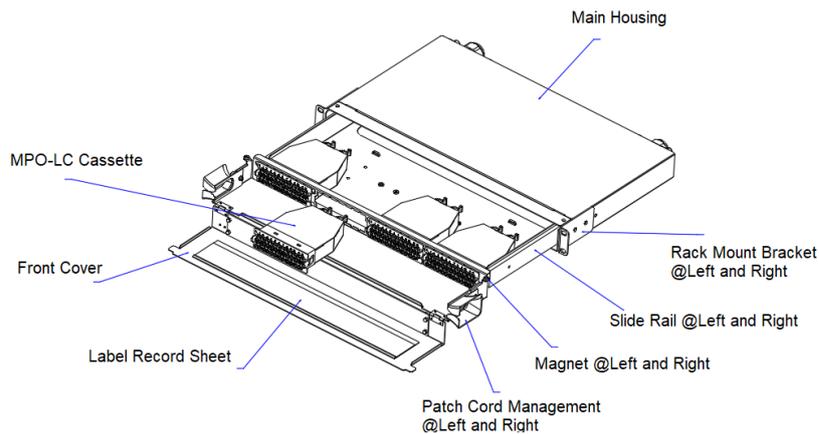


Figure 1b. Pre-Terminated Configuration



Note : Either Prysmian UCConnect 9500 Series Front Adaptor Panel (Splice Configuration) and MPO/MTP -LC module (Pre-Terminated Configuration) is applicable in one UCConnect PP9516 Patch Panel.

Splice Configuration - applicable Prysmian fiber optic cable type includes Indoor Tight Buffer, Prysmian Indoor/Outdoor Unitube and Prysmian Outdoor Loose tube.

Pre-Terminated configuration – UCConnect MPO/MTP – MPO/MTP Trunk cable assemblies are applicable.

2. INSTALLATION

Installation of Prysmian UCConnect 9516 Patch Panel and 9500 Series products involves the following steps:

1. Section 2.1 Installation of Fibre Optic Cable (Side or Back Entry)
2. Section 2.2 (Splice Configuration only) Install UCConnect 9500 Series Fiber Front Adaptor Panels.
3. Section 2.3 (Splice Configuration only) Routing cable fiber and pigtail fibre.
4. Section 2.4 (Pre-Terminated Configuration) Install MPO/MTP Trunk Cable Assembly (Side or Back Entry)
5. Section 2.5 (Pre-Terminated Configuration) Install Prysmian UCConnect 9500 Series MPO/MTP – LC Module
6. Section 2.6 Rack-mount Prysmian UCConnect PP9516 Fiber Patch Panel.

Safety Alert: Avoid performing equipment installation if working environment is wet and /or during a thunderstorm with lightning.

2.1 Installation of Fibre Optic Cable

During fiber splice preparation stage , all mechanical and environmental (if any) protective layers of fiber cable are cut and removed with suitable tools. Fibre strands with suitable length for routing. Outersheath of fiber optic cable shall be secured onto base plate of patch panel that it is not movable. Route and dress the fibre strands to the splice tray as shown in Figure 2.

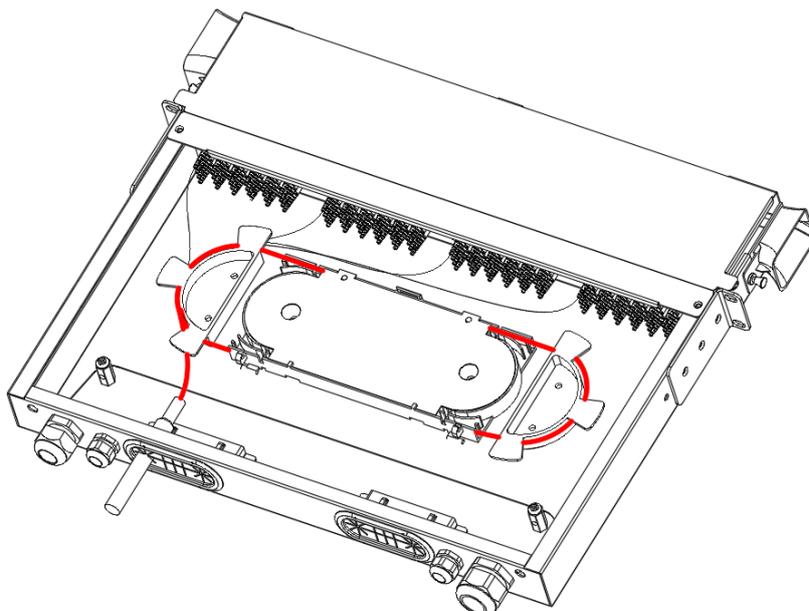


Figure 2

2.2 (Splice Configuration only) Install Prysmian 9500 Series Fiber Front Adaptor Panels.

Prysmian UCConnect PP9516 Fiber Patch Panel is shipped empty without fiber Front Adapter Panel, Splice Tray and Pigtail. Factory assembled with Front Adapter Panel, Splice Tray and Pigtail is available upon request. Each 1RU PP9516 fiber Patch Panel can accommodate up to four sets of Front Adaptor Panels. Install the Front Adaptor Panels as shown in Figure 3.

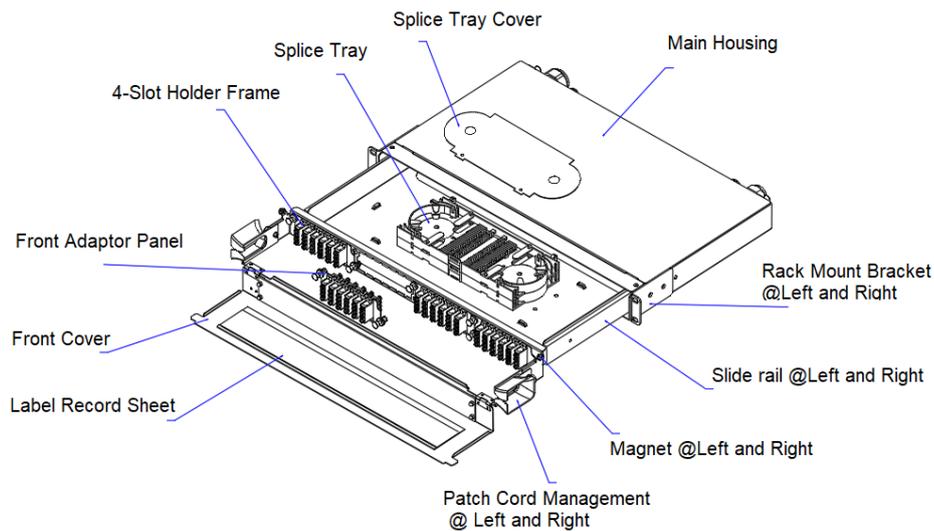


Figure 3

2.3 (Splice Configuration only) Routing cable fiber and pigtail fibre

Route the fibre strand of cable and pigtails within splice tray according to its designated “breakout” location (Figure 4a and Figure 4b). Hook-and-Loop strap shall be used to secure the splice tray to Base Plate patch panel Main Housing.

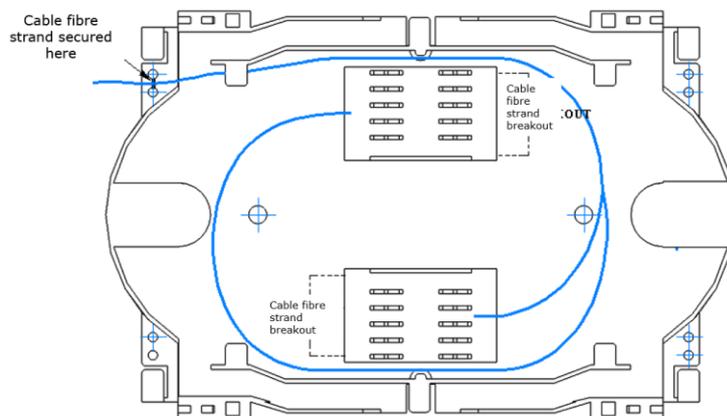


Figure 4a. Routing fibre strand within Splice Tray

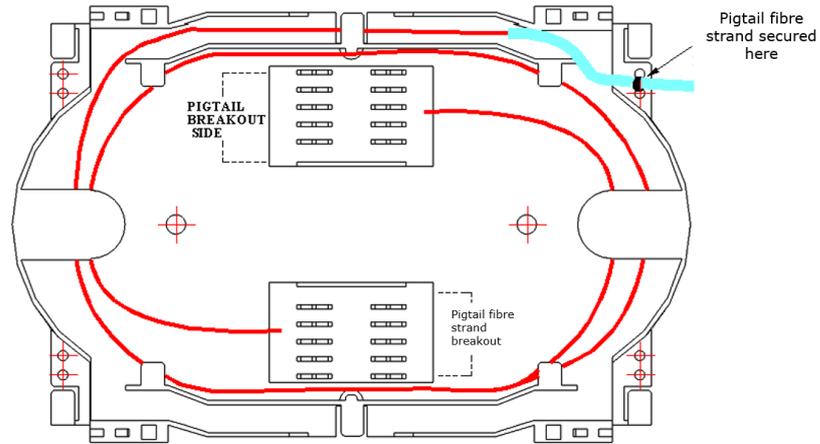
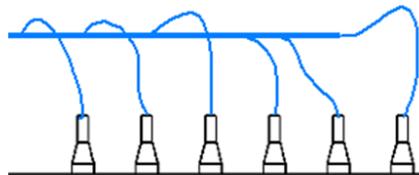
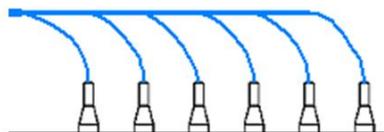


Figure 4b. Routing fibre strand of pigtails within Splice Tray

To tidy-up pigtail fibre slack at rear of Prysmian UCConnect 9500 Series Front Adaptor Panel, pull its 900 micron fibre from Stub End.



Below drawing illustrates the recommended pigtail fiber slack at rear of Prysmian UCConnect 9500 Series Front Adaptor Panel .



2.4 (Pre-Terminated Configuration) Install MPO/MTP Trunk Cable Assembly

For entry in a panel with MPO cassettes, route the Pre-term cable from the cable fixed position to the MPO cassettes as shown in Figure 5.

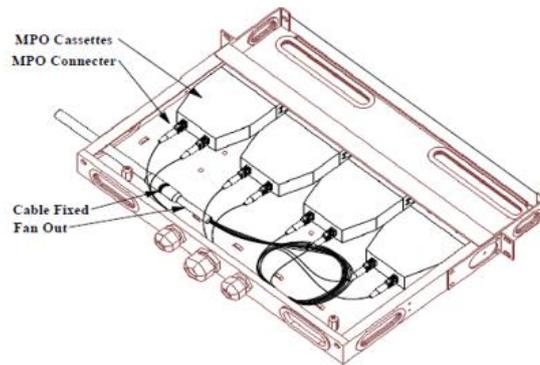


Figure 5

2.5 (Pre-Terminated Configuration) Install Prysmian UCConnect 9500 Series MPO/MTP – LC Module

Prysmian UCConnect PP9516 Fiber Patch Panel is shipped empty without fiber MPO/MTP-LC Modules. Factory assembled MPO/MTP-LC Modules is available upon request. Each 1RU Prysmian UCConnect PP9516 Fiber Patch Panel can accommodate up to four sets of MPO/MTP-LC Modules. Install the MPO/MTP-LC Modules as shown in Figure 6.

⚠ Caution: Adapter packs and MPO cassettes should not be both used in the same panel.

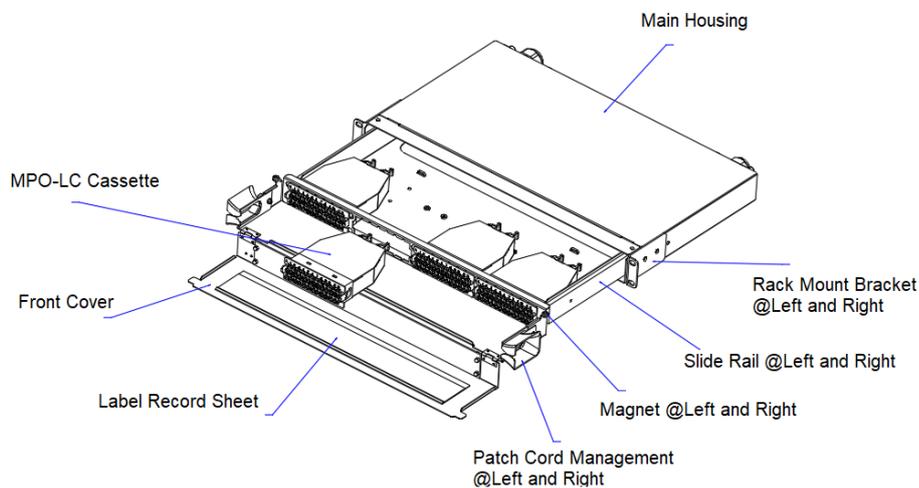


Figure 6. Installing Prysmian UCConnect 9500 Series MPO/MTP-LC Modules

2.6 Rack-mount Prysmian UCConnect PP9516 Fiber Patch Panel.

Use 4 sets of M6 cagenuts and screws to secure the fiber patch panel on the rack as shown in Figure 7.

Note: Figure 7 shows the fiber patch panels installed in a 19-inch rack with a 5-inch recess.

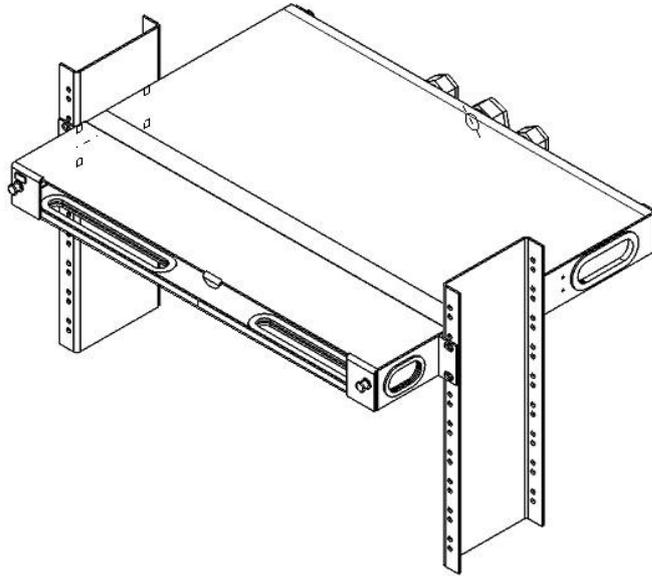


Figure 7. Rack-mount Prysmian UCConnect PP9516 Fiber Patch Panel

Enquiries

Please contact our local sales office or email to: mms.asia@prysmian.com

Digital Solutions is the data communication portfolio of Prysmian and comprises all the necessary portfolio of cable solutions for data communication.

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