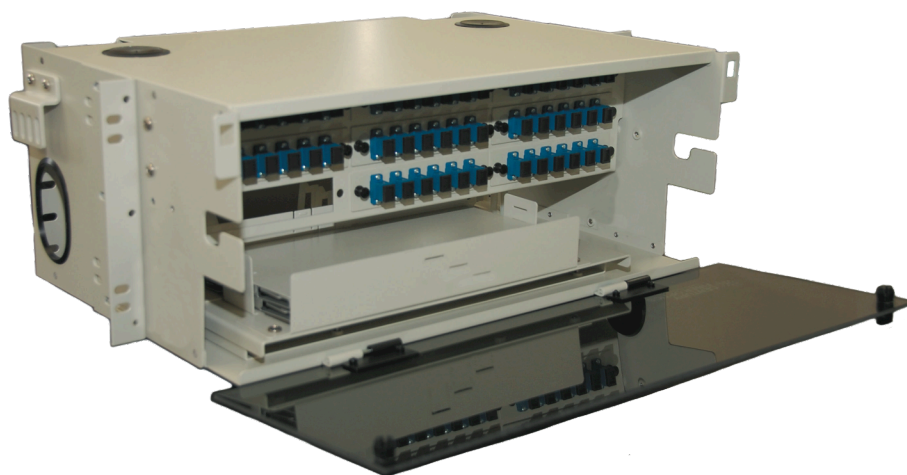


4U 48 Port Patch and Splice Panel



User Manual

Make the **PRIORITY** Connection

Revision History

Issue	Date	Description
1	12/13/2024	Original Release
0826	08/06/2026	Updated address and pictures

Disclaimer of Liability

Contents herein are current as of the date of publication. Priority Electronics Ltd. reserves the right to change the contents without prior notice. In no event shall Priority Electronics Ltd. be liable for any damages resulting from loss of data, loss of use or loss of profits and Priority Electronics Ltd. further disclaims any and all liability for indirect, incidental, special, consequential or other similar damages. This disclaimer of liability applies to all products, publications and services during and after the warranty period.

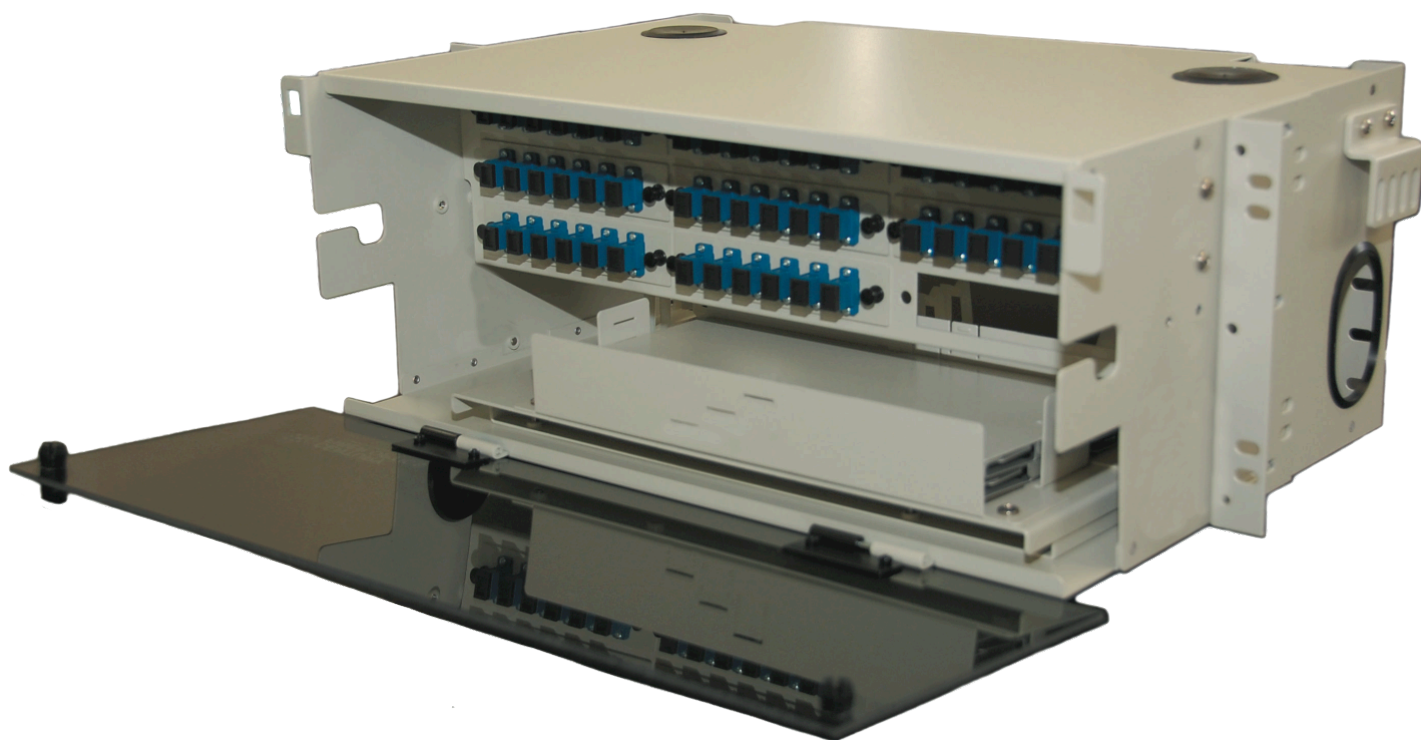
About This Manual

This publication describes Priority Electronics Ltd's 4U 48 Port Patch and Splice Panel installation.

GENERAL SAFETY PRECAUTIONS



Danger: Do not look into the ends of any optical fiber. Exposure to laser radiation may result. Do not assume the laser power is turned off or that the fiber is disconnected at the other end. Priority Electronics Ltd recommends the use of video inspection microscopes for inspecting connector end faces in the field.



1. Description

Priority's rack mounted patch and slice panel is designed to be flexible, and easily configured for termination, interconnection or cross-connection requirements. This patch and splice panel can be used on racks with either front or rear access and will accept cables from front, rear, top or bottom. Access from the front is through a clear lexan removable door, there is also a removable rear access panel.

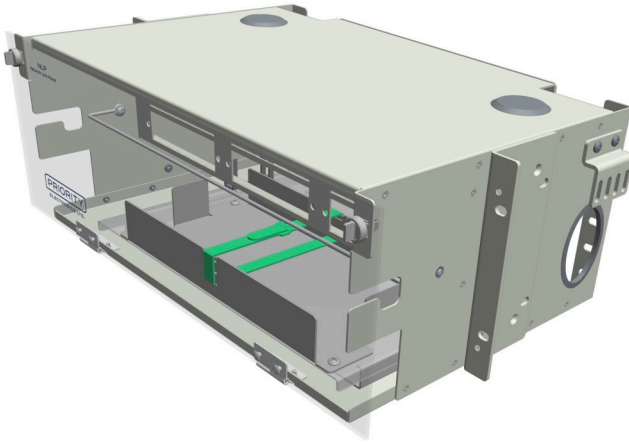
These guidelines are generic. Some design details may differ. This panel is designed to be flexible in this application, and it is the responsibility of the installer to ensure all components are installed properly.

Panel Features

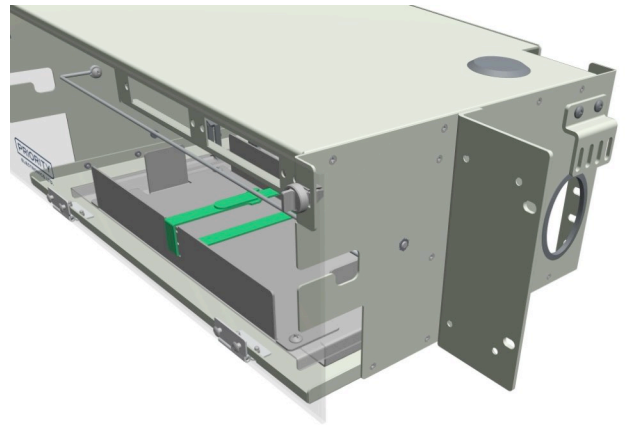
- Supports up to 48 distribution ports
- Supports up to 4 only 12 fiber splice trays on a pull out holder
- Takes up 4U of rack space
- Reversible mounting brackets for 19" or 23" EIA-310 racks
- Dimensions: 19" (482.6mm) wide x 7" (177.8mm) high x 12.5" (317.5mm) depth

2. Suggested Installation

- A. Determine whether panel is mounting in a 19" or 23" rack. Panel is configured as 19" wide, if mounting in a 23" rack remove the two mounting flanges from the side of the panel. Reinstall to accommodate the proper rack width. Rack mounting screws are provided by customer.



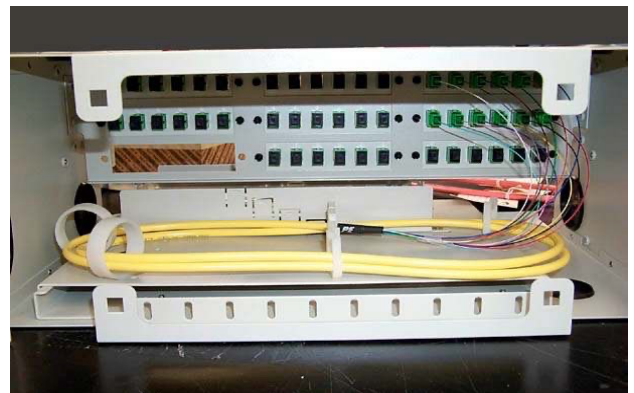
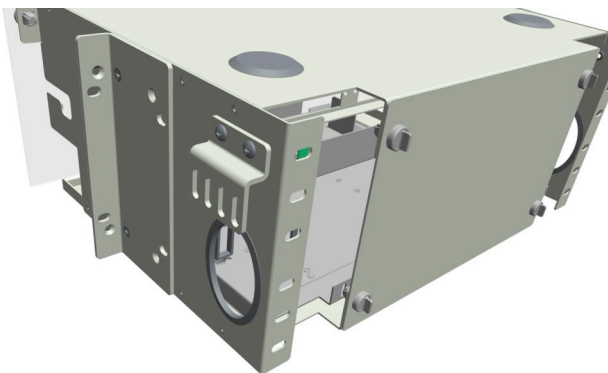
19" mounting shown



23" mounting shown

- B. Install the incoming distribution or OSP cable to the rear of the enclosure. Anchor cable to rear bracket using appropriate cable ties. Remove all of the jacketing and strength members from the cable and clean away all filling compounds.

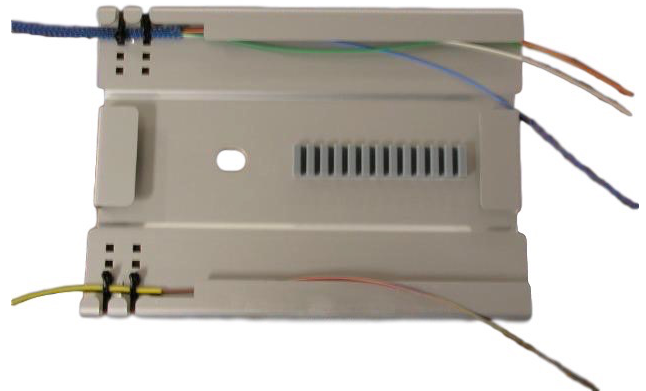
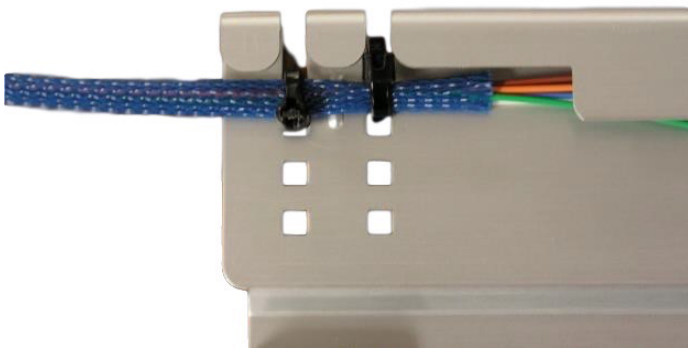
Measurements: Measure at least 84" from the point where the jacket will be attached to the rear of the enclosure to the end of the cable. This is the minimum length of slack needed to ensure ease of splicing outside of enclosure.



- C. Bring each sleeved group of fibers to its appropriate splice tray. Anchor the sleeved group to the tray using one of the small cable ties supplied with the trays. Very little pressure is required to hold the sleeves in place. DO NOT PINCH THE BUFFERED FIBER! The tie should be loose enough to turn in the slots. The sleeved pigtails must be anchored to the front side

of the tray, opposite the incoming cable. After the incoming cable is in place its multifiber buffer tube (or other incoming fiber) are anchored to the opposite side of the tray.

Measurements: Measure the pigtails or buffer tubes to be spliced. Measurements are made from the point of which the tubes/sleeved pigtails are anchored to the tray to the end of the fiber or tube. Each fiber must be long enough to make at least one and a-half loops around the inside of the tray.



- D. Splice the fibers and apply the splice protection according to the manufactures recommendations. As each fiber is splice is completed store the protector in the holder starting from the furthest slot. Do this by holding the splice protector over the tray in one hand and gently feeding the fibers under the ledges of the splice tray. When the fibers are in place, insert the splice protector into the splice holder slot. Continue until all fibers are spliced.
- E. Once all the fibers are spliced inspect the tray to see that all fibers are stored properly without any pinches/kinks or lose loops that may be caught by the cover. Install the cover on the tray and secure on the pull out tray holder. Take care to properly route the incoming tubes and sleeved pigtails. Push in the tray holder and replace door and rear panel observing carefully that no fibers are being pinched.