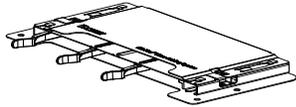
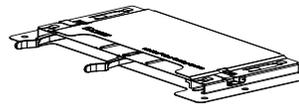


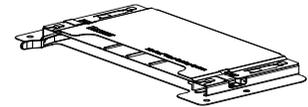
The Zero RU Cassette Holder and Bracket are designed to mount on the side of the cabinet rails. They are available in 4-port, 6-port, and 12-port cassette configurations.



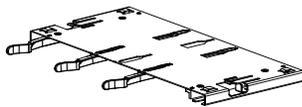
FLEX-0RUBR04



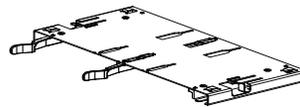
FLEX-0RUBR06



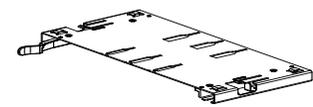
FLEX-0RUBR12



FLEX-0RUCH04



FLEX-0RUCH06



FLEX-0RUCH12

WARNING: UNMATED CONNECTORS MAY EMIT INVISIBLE LASER RADIATION. DO NOT LOOK DIRECTLY INTO THE END OF THE CONNECTOR. DO NOT INSPECT WITH MAGNIFYING DEVICES. MAINTAIN DUST CAPS ON UNMATED CONNECTORS.

CAUTION:

Fiber optic cable is sensitive to excessive pulling, bending, and crushing forces. Consult the manufacturer's cable specification sheet for the specific cable in use.

Follow TIA/EIA-568-A, 569, 606, and 607 installation guidelines where applicable.

ASSEMBLY VIEW (FLEX-0RUBR06 shown)

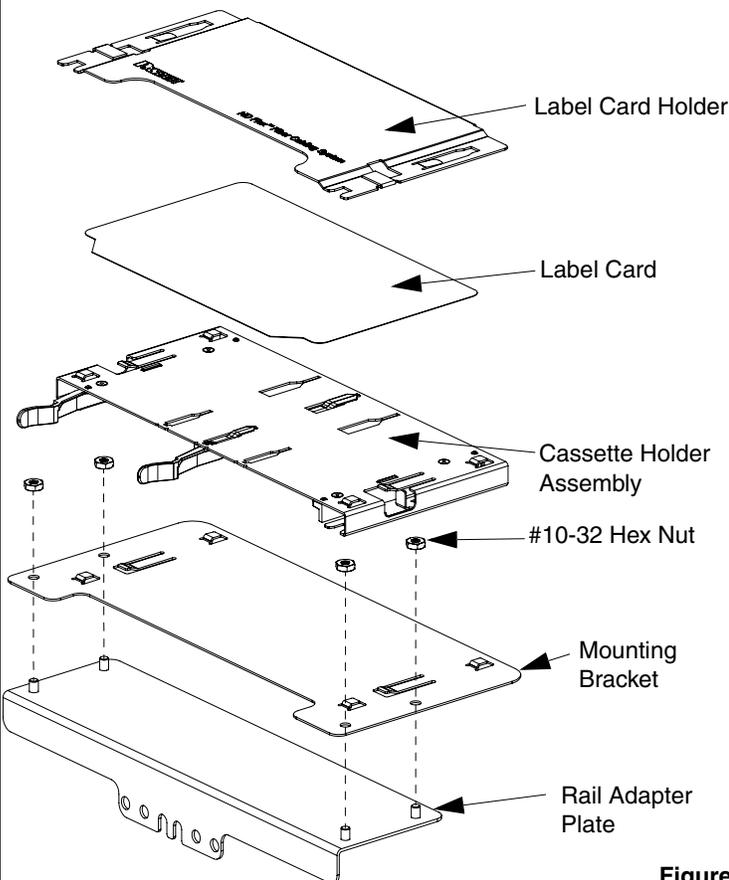


Figure 1

HD Flex Zero RU Cassette Holder and Bracket Assembly Package Contents: (FLEX-0RUBR04, FLEX-0RUBR06, FLEX-0RUBR12)

- (1) HD Flex Zero RU Cassette Holder Assembly (includes Mounting Bracket and Label Card Holder)
- (1) HD Flex Zero RU Adapter Plate
- (4) M5 x 0.8 x 12 Self Tapping Screw
- (4) #12-24 x 0.5 Screw
- (4) M6 x 1.0 x 15mm Screw
- (4) #10-32 Hex Nut
- (1) Label Card
- (2) Laser Warning Label
- (1) Fiber Caution Label

HD Flex Zero RU Cassette Holder Package Contents: (FLEX-0RUCH04, FLEX-0RUCH06, FLEX-0RUCH12)

- (1) HD Flex Zero RU Cassette Holder

Mounting on the side of a Panduit network cabinet:

ASSEMBLY VIEW (FLEX-0RUBR06 shown)

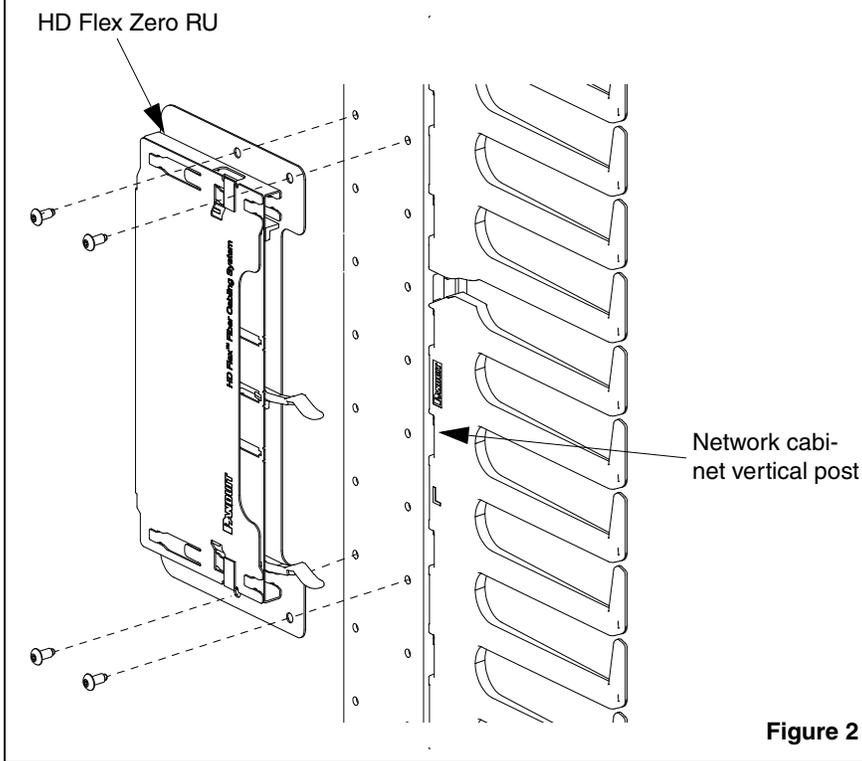


Figure 2

Using four (4) M5 self-tapping screws, attach the HD Flex Zero RU Cassette Holder and Bracket to the side of the network's cabinet vertical post.

Note: The HD Flex Zero RU cannot be attached to vertical posts with air flow control panels attached.

Mounting on the side of a Panduit server cabinet:

ASSEMBLY VIEW (FLEX-0RUBR06 shown)

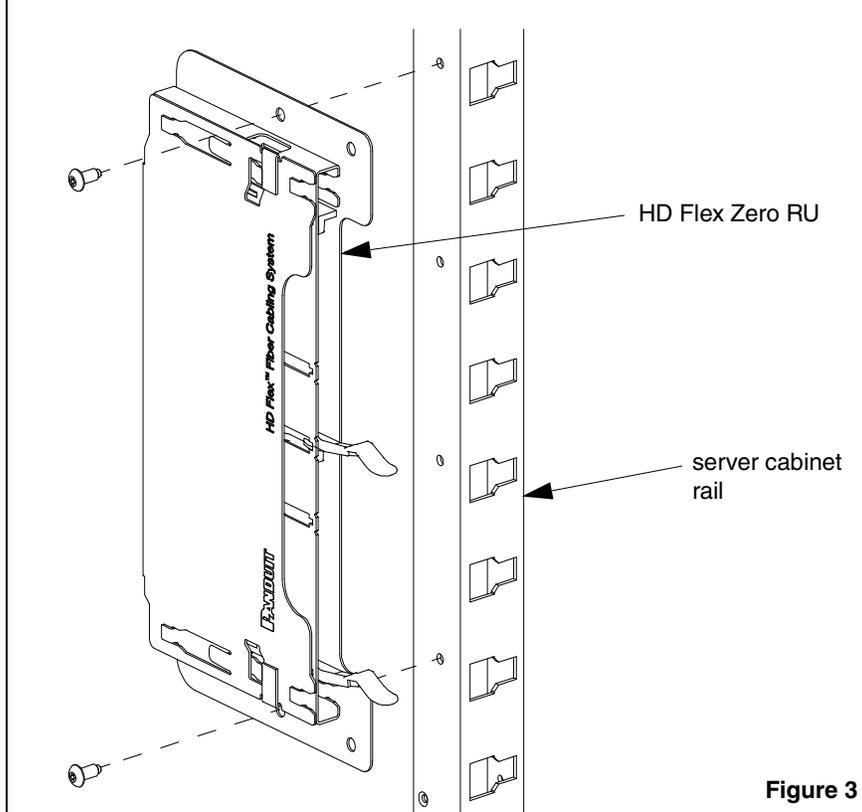
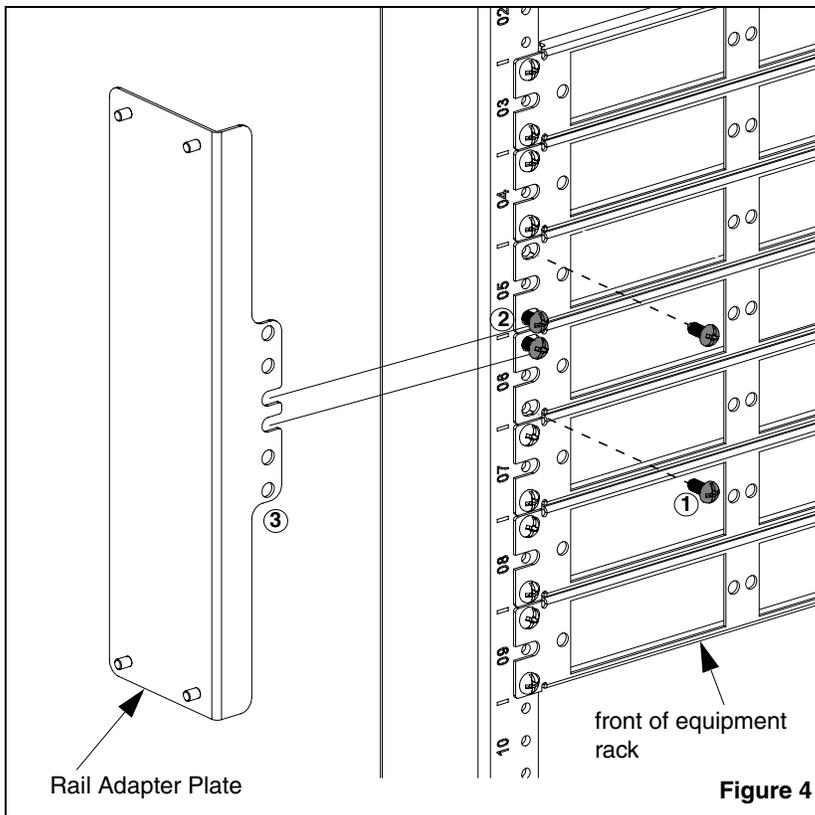


Figure 3

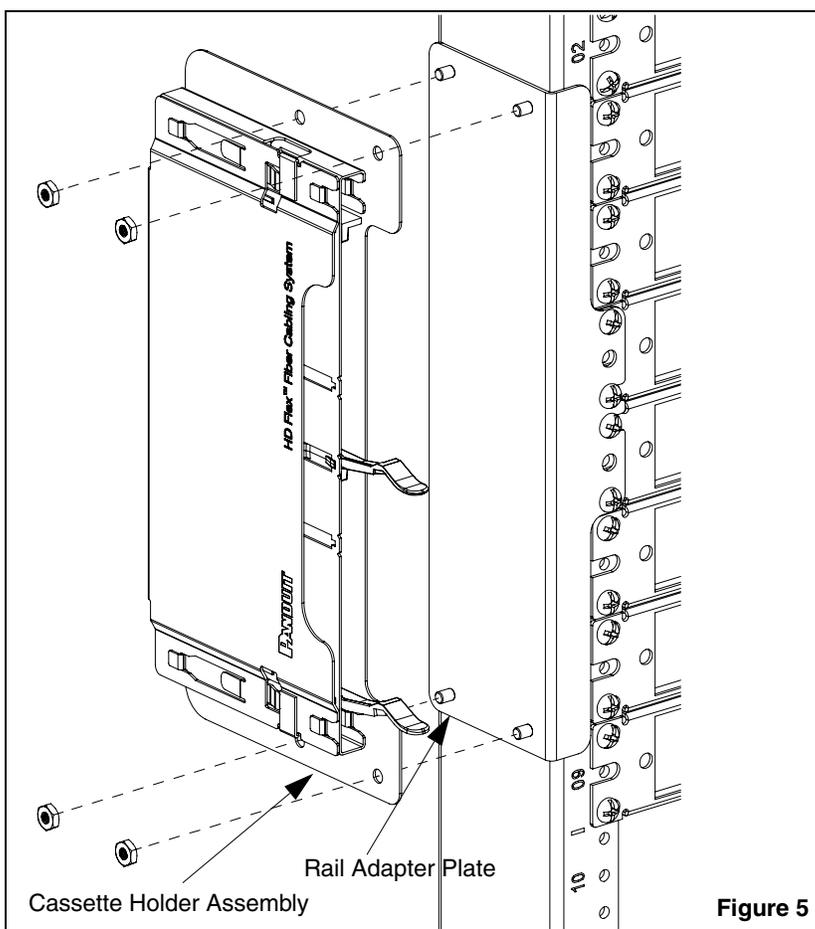
Using two (2) M5 self-tapping screws, attach the HD Flex Zero RU Cassette Holder and Bracket to the side of the server's cabinet rail.

Mounting the Zero RU to the front of the equipment rack:



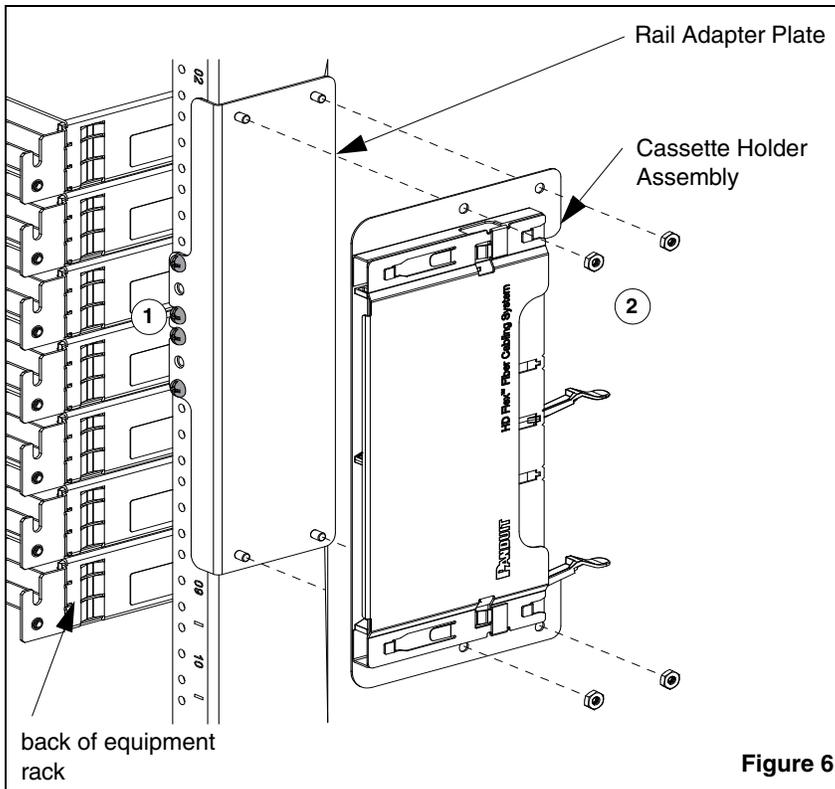
The HD Flex Zero RU can be mounted onto a previously installed equipment rack using existing screws and the HD Flex Rail Adapter Plate. The HD Flex Zero RU can be mounted on either the left or the right rail of the equipment rack.

1. Remove screws from existing equipment that align with mounting holes in the HD Flex Zero RU Rail Adapter Plate.
2. Loosen screws from existing equipment that align with the slits in the HD Flex Zero RU Rail Adapter Plate.
3. Slide the HD Flex Zero RU Rail Adapter Plate under the loose screws.
4. Replace and tighten the removed screws.



5. Attach the HD Flex Zero Cassette Holder assembly to the HD Flex Zero Rail Adapter Plate using four (4) #10-32 hex nuts

Mounting the HD Flex Zero RU to the back of the equipment rack:

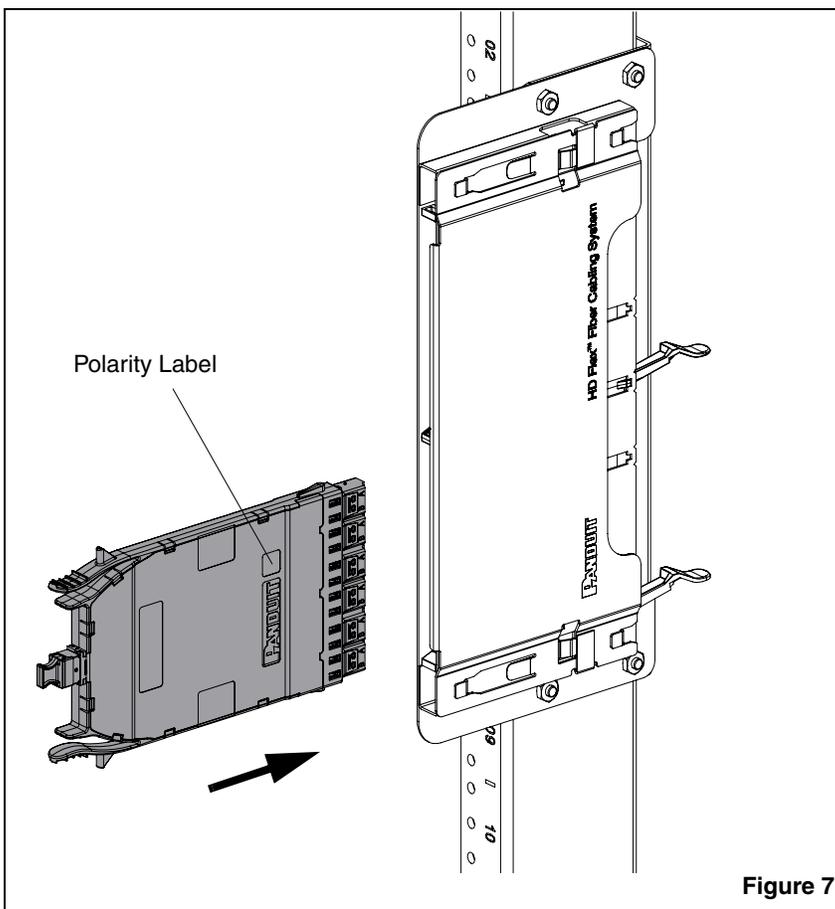


If the space in front of the equipment rack is inadequate, the HD Flex Zero RU can be mounted to the back surface of the equipment rack.

1. Attach the HD Flex Zero RU Rail Adapter Plate to the back surface of the equipment rack using four (4) screws.
2. Attach the HD Flex Zero RU Cassette Holder assembly to the HD Flex Zero RU Rail Adapter Plate using four (4) #10-32 hex nuts.

Figure 6

Cassette Assembly (sold separately):



First, attach trunk cabling to the rear port of the cassette or FAP to be installed. Note the polarity label on the cassette and orient properly as needed. To install cassettes, insert into slot and push forward until it snaps into place.

Figure 7

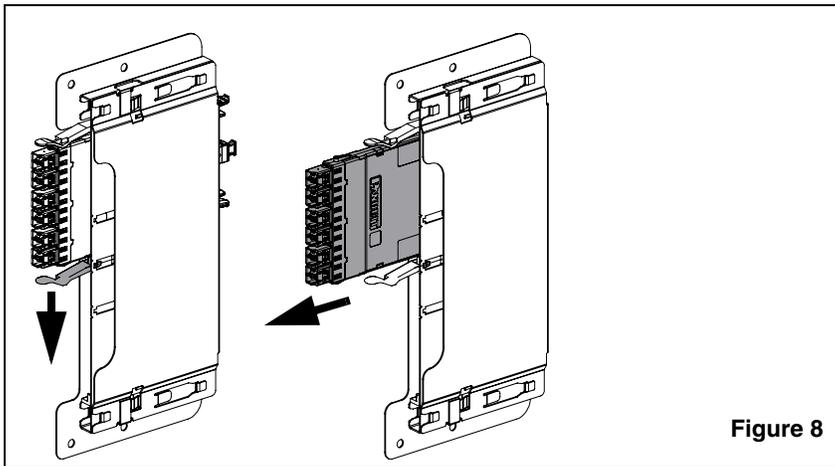


Figure 8

Cassettes can be removed from the front, as needed, for replacement or migration. Disconnect patch cords from the front of the cassette. Press the latch away from the cassette and pull the cassette forward. Once the cassette is pulled past the latch, the cassette can be completely removed.

Disconnect the trunk cable from the rear of the cassette and connect to the rear of the replacement cassette.

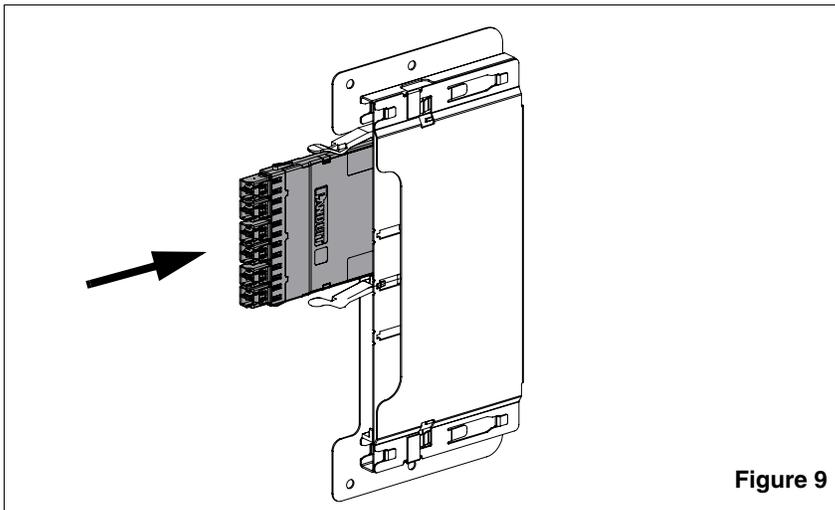


Figure 9

Re-install the cassette or MPO FAP opposite the way it was removed. Align the rear of the cassette or MPO FAP in the opening and push inward until the cassette snaps into place (for cassette changes).

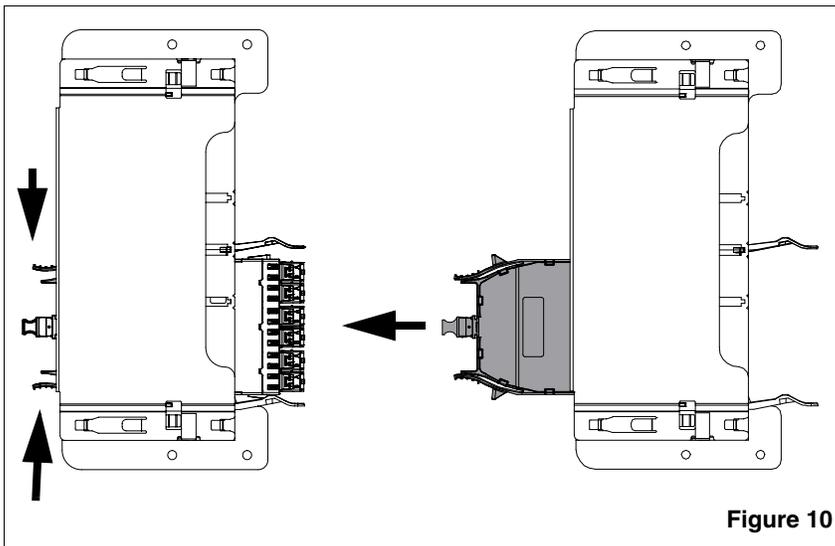
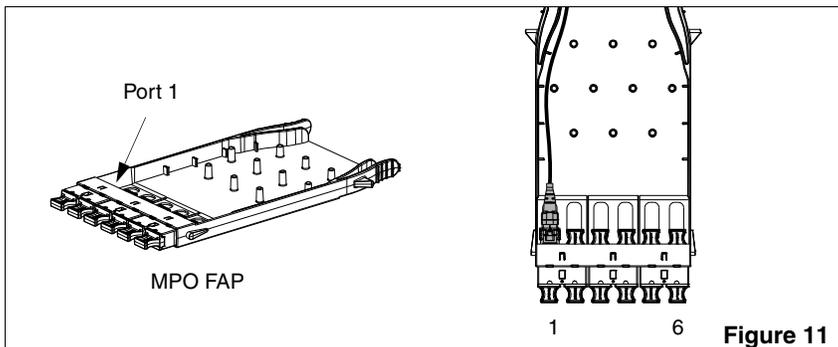


Figure 10

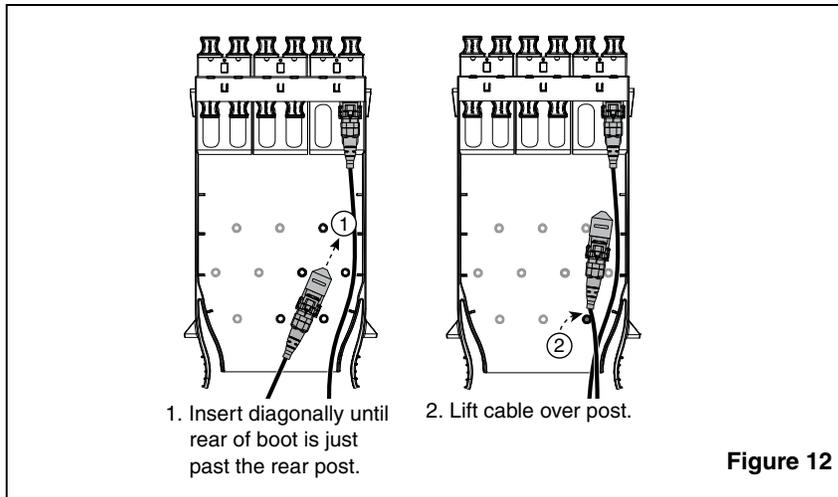
Cassettes can be removed from the back, as needed, for replacement or migration. Disconnect patch cords from the front of the cassette. Press the two latches on the back of the cassette inward, then with the latches squeezed together, pull the cassette out through the back.



If migrating to an MPO FAP, connect the MPO trunk cable to the left most position, port 1.

Figure 11

Installing Additional Trunks:



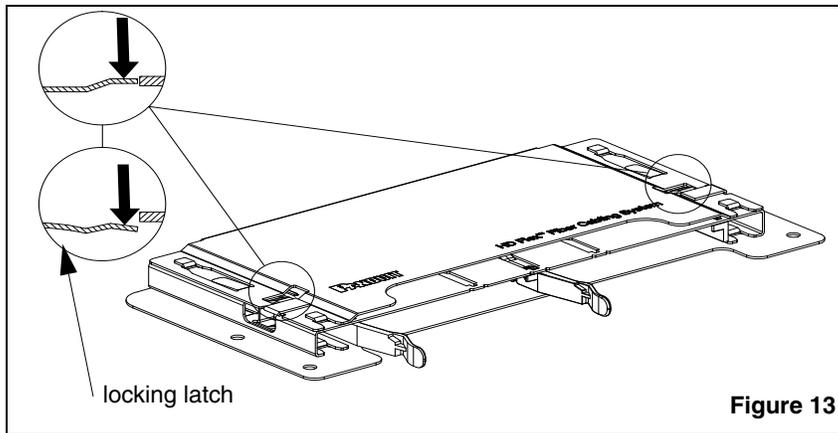
To install additional trunks, remove the MPO FAP through the back of the HD Flex Zero RU and attach the trunks as needed.

If the MPO FAP cannot be removed through the back, due to lack of slack in the front cables, insert the MPO connector into the rear of the FAP diagonally between the posts. Push the connector in until the rear of the boot just passes the rear post and lift the cable over the post to "hold" the connector in place. Pull the FAP with the "held" MPO trunk out through the front of the HD Flex Zero RU. Remove the dust cap and connect the MPO to the appropriate port of the FAP.

Figure 12

FAP can accommodate "holding" up to 3 MPO connectors at a time.

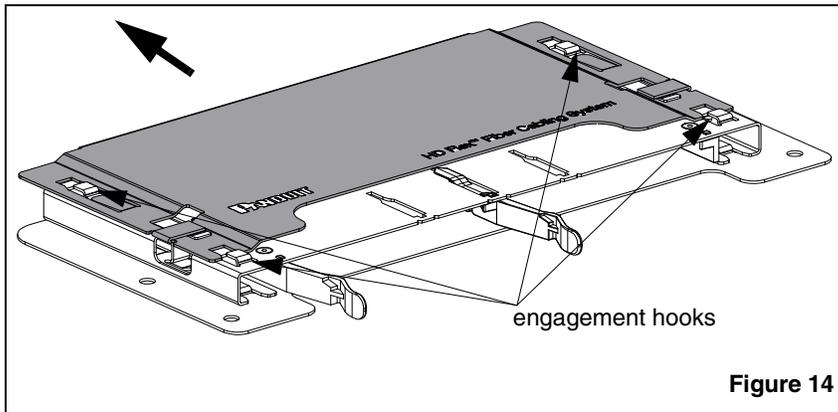
Installing Additional Cassette Holders:



The cassette holders are designed to latch to one another and can be added or removed as needed. For most applications, a maximum of four (4) cassette holders can be latched together.

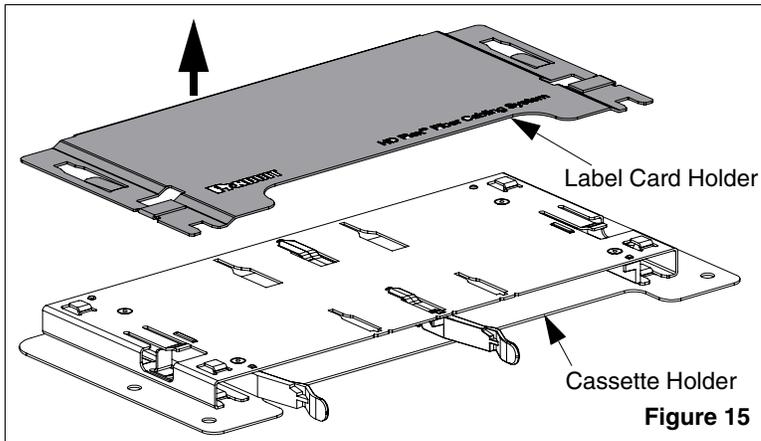
To remove the label card holder, depress the two locking latches of the cassette holder below it.

Figure 13

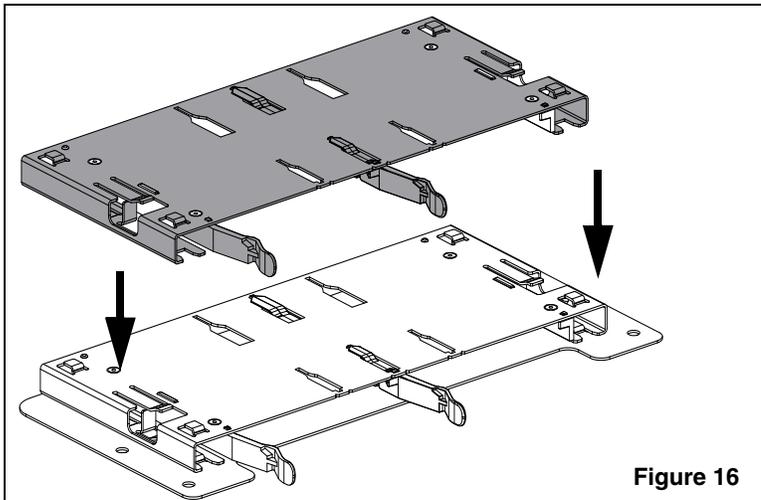


Keeping the locking levers depressed, slide the label card holder back out of the four (4) engagement hooks of the cassette holder below it.

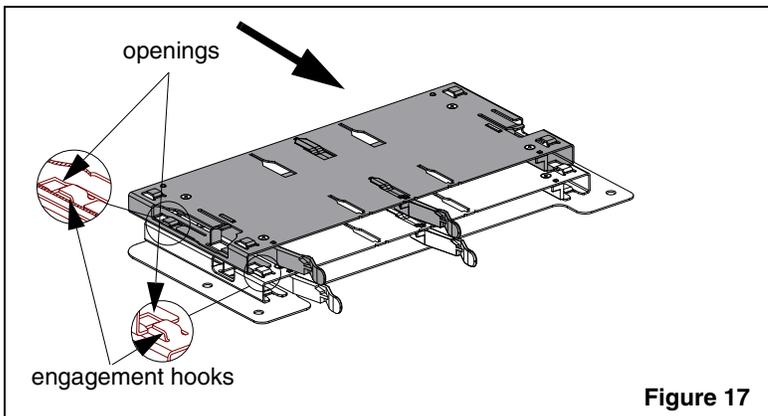
Figure 14



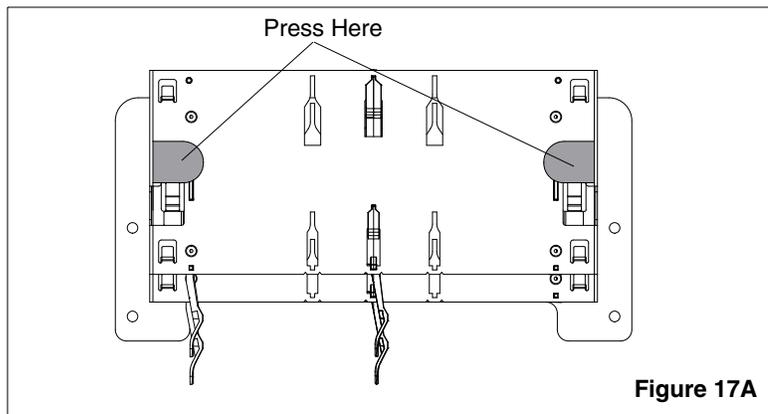
Lift the label card holder away from the cassette holder.



Place the additional cassette holder (top) over the existing cassette holder (bottom).



Verify that the four engagement hooks in the bottom cassette holder are aligned with the four openings in the top cassette holder.



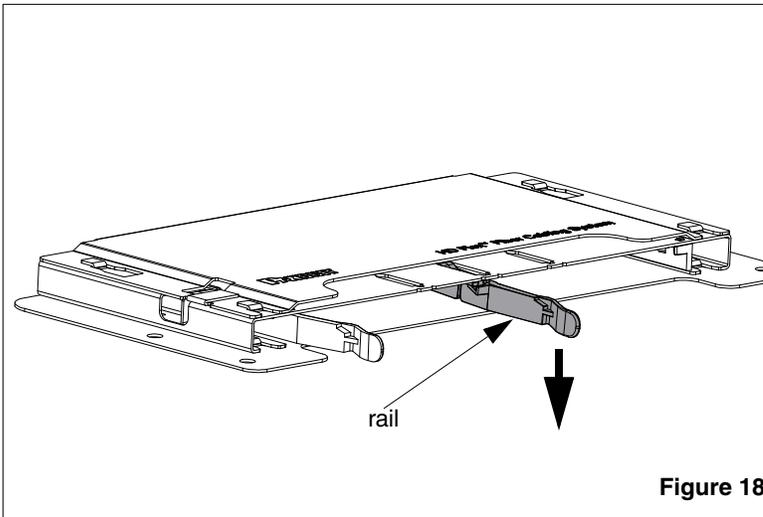
Force the two cassette holders together by applying pressure near the outer centers of the top cassette holder. (See Figure 17A.)

Slide the top cassette forward until the locking latches of the bottom cassette holder click into the locking position.

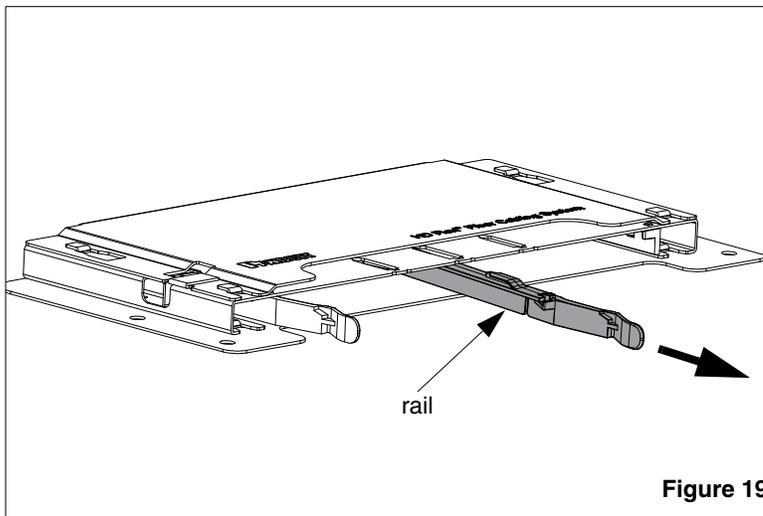
Re-install the label card holder over the top cassette holder using the same procedure as for cassette holder installation.

Note: If required, multiple stacked cassette holders can be separated using the same procedure as for removing the label card holder.

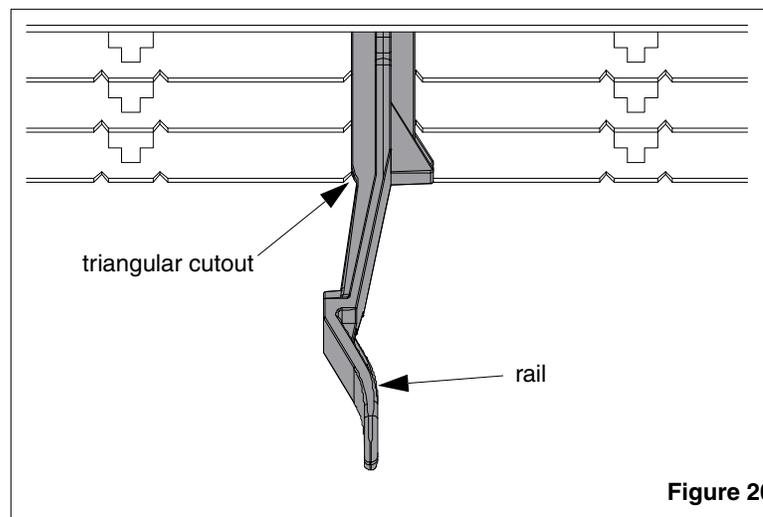
Reconfiguring the port configuration on the Zero RU Cassette Holder:



Select the rail to be removed. Grip the end of the rail and pull it away from the cassette holder.

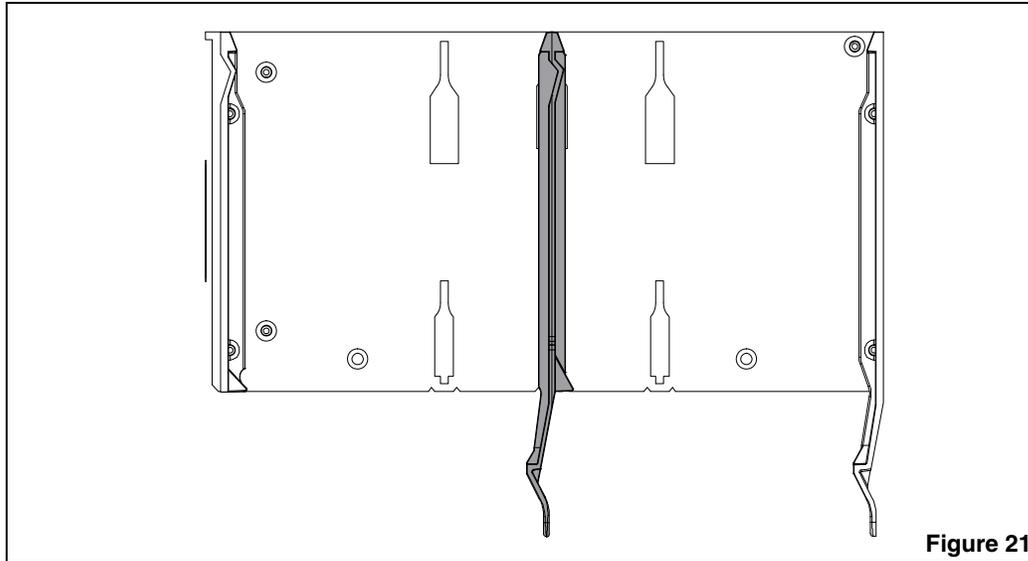


While continuing to apply pressure on the rail being removed, pull the rail forward. As the rail begins to move, it will disengage from the tray and be free to remove completely.



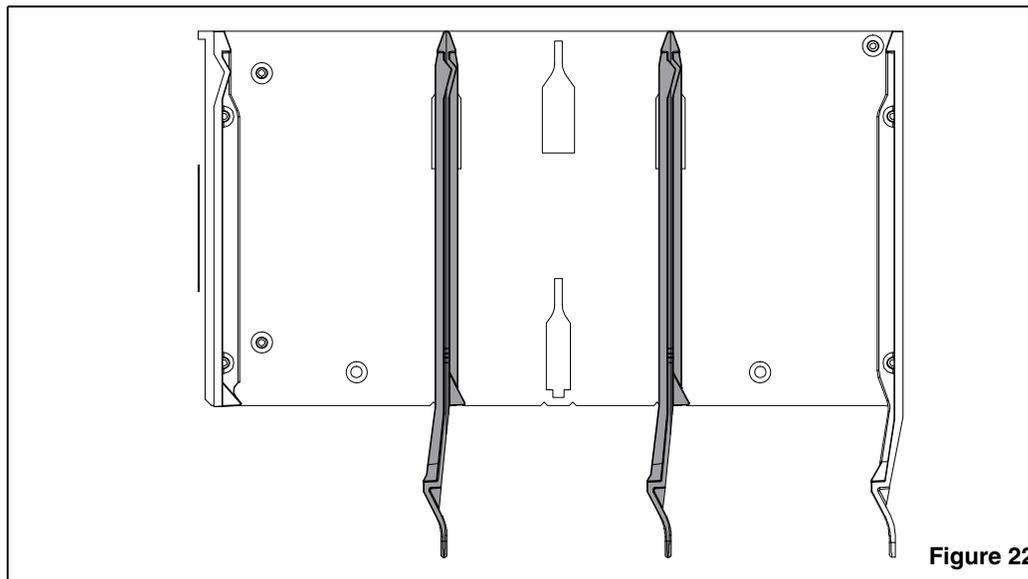
To install the rail into the cassette holder, align the rail between triangular cutouts and reverse the removal process. The posts on the bottom of the rail will drop into the cutouts of the cassette holder. As the rail is pushed toward the back of the cassette holder, the posts will engage the cassette holder. Once the rail is fully re-inserted, the front of the rail will snap into position. Pull forward on the rail to ensure it is properly installed.

Zero RU Casette Holder Port Configurations (Only cassette holder trays are shown for clarity)



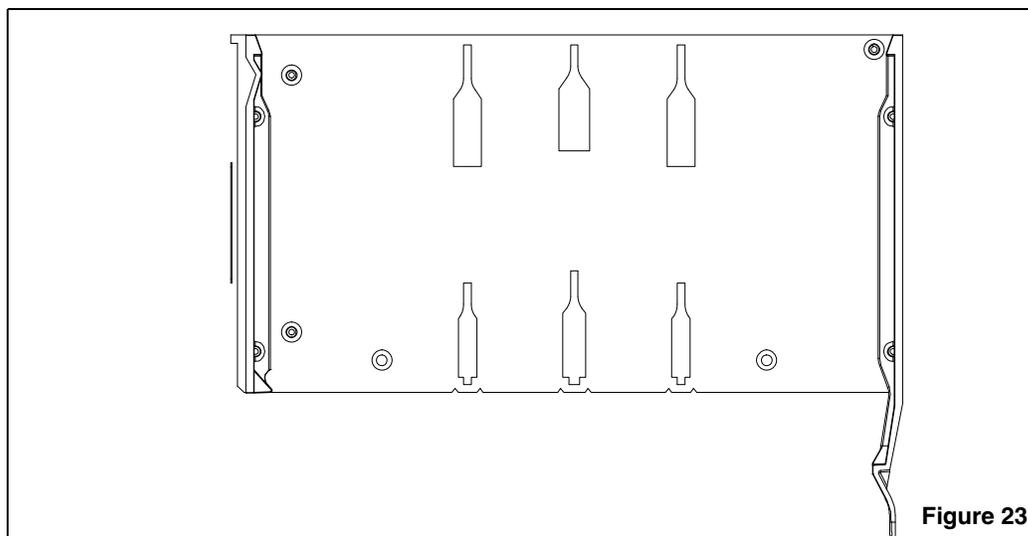
6-Port Configuration: 1 black removable rail per cassette holder

Figure 21



4-Port Configuration: 2 white removable rails per cassette holder

Figure 22



12-Port Configuration: No removable rails installed in cassette holder

Figure 23

Labeling:

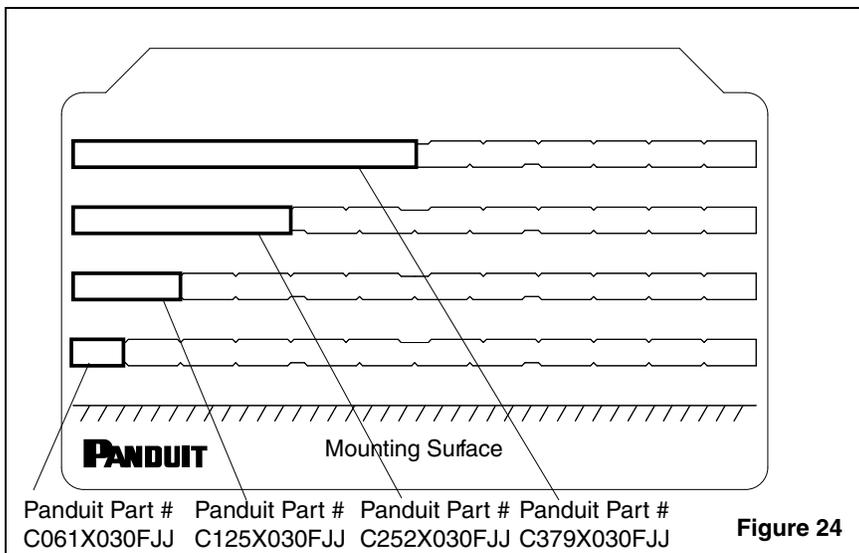


Figure 24

Labeling options for the HD Flex Zero RU allow for identification to follow the EIA 606-B labeling standards. Panduit labels, used in conjunction with Panduit Easy-Mark Labeling Software, simplifies label creation and allows for ease of editing and label replacement when necessary. The labeling layout is shown in Figure 24. Panduit label part #C061X030FJJ can be used for single port identification, Panduit label part #C125X030FJJ can be used for 2-port identification, Panduit label part #C252X030FJJ can be used for 4-port identification, or Panduit label part #C379X030FJJ can be used for 6-port identification.

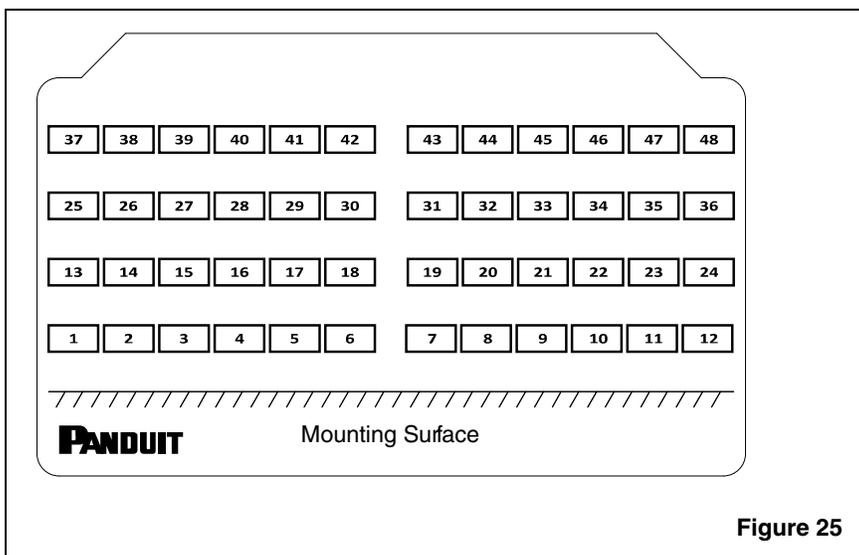


Figure 25

The label card coincides with the port labeling as shown in Figure 25. Cassette holder 1 is the closest to the mounting surface (the layout shows ports 1 - 12 on the first cassette holder, ports 13 - 24 on the second cassette holder, etc).

The label card should be stored in the label card holder.

Panduit Label Part Numbers

Part Number	Description
C061X030FJJ	White, adhesive polyolefin label, 1-port identifier
C125X030FJJ	White, adhesive polyolefin label, 2-port identifier
C252X030FJJ	White, adhesive polyolefin label, 4-port identifier
C379X030FJJ	White, adhesive polyolefin label, 6-port identifier

<p>For Instructions in Local Languages and Technical Support: www.panduit.com/resources/install_maintain.asp</p>	 <p>www.panduit.com</p>	<p>E-mail: techsupport@panduit.com</p> <p>Phone: 866-405-6654</p>
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