

Quick Start

DESCRIPTION

The 424RG Optical Network Terminal (ONT) Fiber Tray and Wall Mount Bracket (Fiber Tray and Bracket) is used to mount the ADTRAN 424RG 2 POTS/4 GigE Dual Band WiFi ONT (P/N 1287781F2) to a wall.

The wall mount bracket also incorporates a fiber tray to store excess incoming fiber should that be required.

Required Tools

The following tools are required when installing the Fiber Tray and Bracket.

- Power Drill (optional)
- Carpenter's Level (optional)
- Phillips-head Screwdriver
- Hammer

Installation Steps

To install the Fiber Tray and Bracket, complete the following steps:

1. Select Location and Mount Bracket
2. Attach Incoming Fiber Cable to Fiber Tray and Bracket
3. Connect Incoming Fiber Cable to ONT
4. Attach ONT to Fiber Tray and Bracket

Step 1: Select Location and Mount Bracket

Select a location to mount the Fiber Tray and Bracket near the fiber entrance. Use the supplied hardware to mount the bracket to the wall as follows:

i NOTE

Supplied hardware is intended for drywall mounting only. For mounting on surfaces other than drywall, obtain the appropriate mounting hardware and follow the provided instructions.

1. Refer to [Figure 1](#) and mark hole locations using the Fiber Tray and Bracket as a template. Use a carpenter's level to ensure the bracket is level.
2. Start anchor into the wall by using a hammer to lightly tap the anchor in until the threads are close to the wall.

i NOTE

Pre-drill holes using a 1/4" drill bit if difficulty is encountered.

3. Insert either a No. 2 or No. 3 Phillips driver bit into the recess of the anchor head.
4. Using gentle forward pressure, rotate the wall anchor clockwise until the collar is flush with the wall.

5. Align the Fiber Tray and Bracket with the holes, insert and tighten #6 screws until fixture is tight to the wall.

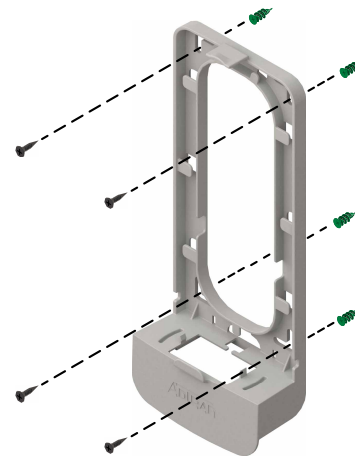


Figure 1. Mount ONT Fiber Tray to Wall

Step 2. Attach Incoming Fiber to ONT Fiber Tray and Mounting Bracket

Refer to [Figure 2](#) and wrap any excess incoming fiber around the Fiber Tray and Bracket.

! CAUTION!

Do not exceed a minimum bend radius of 2-inches when installing fiber cabling.

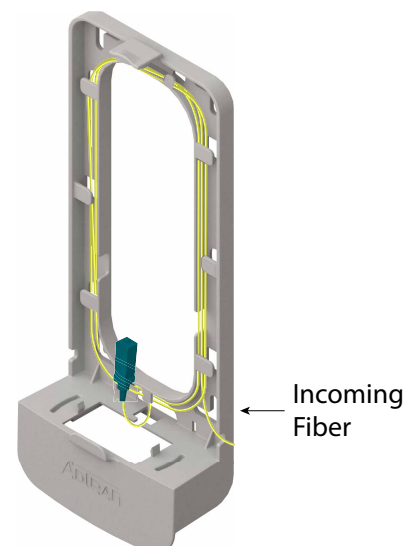


Figure 2. Wrap Incoming Fiber Around Fiber Tray and Bracket

Step 3. Connect Incoming Fiber Cable to ONT

Refer to [Figure 3](#) and connect the Fiber Cable to the Fiber Connector on the bottom of the ONT.

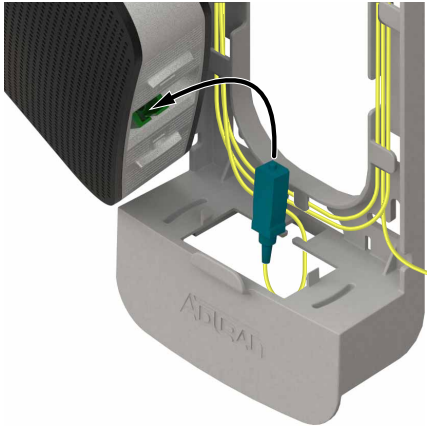


Figure 3. Connect Incoming Fiber to ONT

Step 4. Attach ONT to ONT Fiber Tray and Bracket









1. Refer to [Figure 4](#) and position the ONT as shown. Align the two mounting tabs on the bottom of the ONT with the two slots on the Wall Mount Bracket.
2. Gently push the ONT towards the Wall Mounting Bracket until the ONT snaps onto the bracket.



Figure 4. Attach ONT to ONT Fiber Tray and Bracket

Once all cables have been connected, refer to the LED table below to ensure the ONT is operating properly.

424RG LEDs

Label	Status	Indication
POWER 	○ Off	AC or battery off
	● Green	No Failure
FIBER 	○ Off	No connection to the OLT, open fiber, failure at the ONT, or power is Off
	● Green	Signal present and is within operating range
	✱ Green Flashing Fast	Ranging in Progress
INTERNET 	○ Off	No IP address configured on WAN Interface, or Power is Off
	● Green	WAN Interface is configured with IP address
GE 1-4 	○ Off	Link is down or not equipped
	● Green	Link is up
	✱ Green Flashing Fast	Data is being sent or received
USB 	○ Off	Power Off or no device connected
	● Green	Device connected
	✱ Green Flashing Fast	Data is being sent or received
2.4GHZ 	○ Off	Power is Off, or Wireless 2.4GHz is Disabled
	● Green	Wireless 2.4GHz is Enabled
	✱ Green Flashing Fast	Data is being sent or received on 2.4GHz
5GHZ 	○ Off	Power is Off, or Wireless 5GHz is Disabled
	● Green	Wireless 5GHz is Enabled
	✱ Green Flashing Fast	Data is being sent or received on 5GHz
PHONE 1-2 	○ Off	Unequipped or on-hook and not ringing
	● Green	Line is off-hook
	✱ Green Flashing Slow	Line in ringing state
WPS	○ Off	Power Off or WPS is Disabled
	● Green	WPS is Enabled
	✱ Green Flashing Fast	WPS push button pressed, device is ready to accept connection

Documentation for ADTRAN Network Solutions products is available for viewing and download directly from the ADTRAN Support Community website.

Go to: <https://supportforums.adtran.com/welcome>

Registration is required.

ADTRAN offers training courses on our products, including customized training and courses taught at our facilities or at customer sites.

For inquiries, go to: <http://adtran.com/training>

The following online documents and resources provide additional information for this product:

[ADTRAN 424RG 2 POTS/4 GigE Dual Band WiFi Residential Gateway ONT Job Aid](#)

Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found online at www.adtran.com/warranty.

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