

## Overview



### WARNING!

Read all warning, cautions, notes and installation instructions before installing or servicing this equipment.



### ATTENTION!

Lisez tous les avertissements et mises en garde avant l'installation de cet équipement ou la réalisation de toute opération de maintenance

The ADTRAN<sup>®</sup> 834-5 is a carrier-class Dual-Band Wi-Fi 5 Gigabit Ethernet router, built to deliver top-end Wi-Fi 5 performance, true gigabit routing throughput, and advanced service delivery capabilities. This quick start describes how to install ADTRAN's 834-5 Service Delivery Gateway.

The 834-5 WiFi 5 Gigabit Router is an indoor gateway delivering premium multi-Gigabit services.

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- ["Safety and Regulatory"](#) on page 4

*Figure 1* illustrates the front and back of the 834-5 gateway.



Figure 1. Front and Back of the 834-5 Gateway



### WARNING!

WARNING indicates a hazard which, if not avoided, could result in death, injury or serious property damage.



### CAUTION!

CAUTION indicates a hazard which, if not avoided, could result in service interruption, damage to the equipment, or minor property damage.



### NOTE

NOTES inform the user of additional, but important, information or features.

## Features

The features of the 834-5 gateway include the following:

- 1x Gigabit Ethernet (RJ-45) WAN interface
- Subscriber interfaces
  - ◆ 4x Gigabit Ethernet (RJ-45) interfaces
  - ◆ 1x USB 3.0 (Type A) Host port

## Installing the 834-5 Gateway

The following are guidelines for basic installation of the 834-5.

**NOTE**

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*Refer to the national, state and local electrical codes for the requirements for power, grounding, wiring, and installation methods.*

**CAUTION!**

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*The product is intended for indoor use only. Ethernet cables and attached equipment are intended for use within the same building with equipotential bonding, and not intended to be placed in separate buildings or structures. Failure to deploy as described could result in permanent damage from lightning or other electrical events and voids the warranty. Furthermore, all connections from outside of the building, such as old wiring, must be disconnected prior to use.*

### Package Contents

- ADTRAN's 834-5 WiFi 5 Gigabit Router
- 12V DC power adapter

### Prior to Installation

Before installing the equipment, inspect the gateway. If damage has occurred during shipping, file a claim with the carrier, and then contact ADTRAN Customer Support. For more information, refer to the product warranty available online at [https://adtran/wp\\_support\\_warranty](https://adtran/wp_support_warranty).

### Required Tools

No special tools are required for installing the 834-5 gateway. If installing the gateway on a wall, a #2 Phillips-head screwdriver is required for installation.

### Mounting Options

There are two options to install the 834-5: desktop and wall mount. Be sure to route and secure the fiber and cables in a manner that will prevent damage. These options are described below.

#### Desktop Installation

The 834-5 can be placed on a desk or table. The following table shows the recommended minimum distance (in feet and meters) between the gateway and household appliances to reduce interference.

Household Appliance	Recommended Minimum Distance (in feet and meters)
Microwave ovens	30 feet / 9 meters
Baby monitor – analog	20 feet / 6 meters
Baby monitor – digital	40 feet / 12 meters
Cordless phone – analog	20 feet / 6 meters
Cordless phone – digital	30 feet / 9 meters
Bluetooth devices	20 feet / 6 meters
ZigBee	20 feet / 6 meters



### WARNING!

Ensure that the 834-5 does not come in contact with water or other liquids.



### CAUTION!

Ensure that the 834-5 is not located in direct sunlight or next to any thermal obstructions.

#### Wall Mount Installation

The 834-5 can be mounted on a wall. Wall Mount Kit (17600192F1) can be ordered for mounting the 834-5. Instructions are provided in the related Quick Start Guide (617600192F1-13A).

#### Connecting the 834-5 Gateway

Figure 2 illustrates the installation (connection) options for the 834-5 gateway.

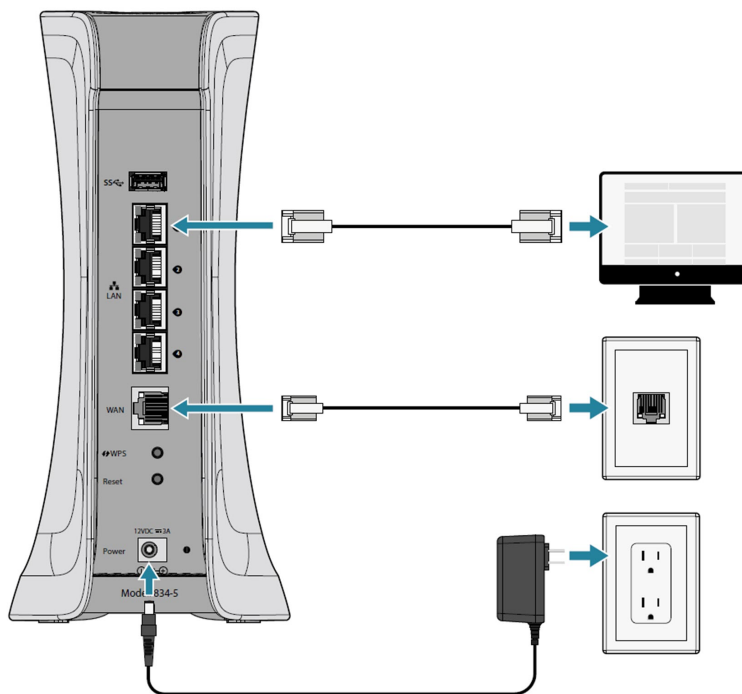


Figure 2. 834-5 Gateway Installation Options

The following subscriber connections are available on the rear of the 834-5:

- 4x Gigabit Ethernet (RJ-45 Connectors) – LAN 1- 4 ports
- 1x Gigabit Ethernet port (RJ-45 Connector) -WAN port
- 1x USB 3.0 (Type A Connector) - port

To connect the subscriber Ethernet interfaces, refer to Figure 2 and insert a Category 5E (or better) RJ-45 cable into one of the LAN ports (labeled LAN 1- 4) or the Gigabit Ethernet port (WAN) until there is an audible “click”.

#### Connecting the Power Supply

1. Connect the end of the power adapter to the **Power** port on the rear panel of the gateway
2. Plug other end of the power adapter into the wall outlet.
3. Confirm that the power is connected properly. The **Power** LED should be lit on the front of the gateway.

#### Resetting the Gateway

A reset button is available if the 834-5 needs to be rebooted. To reboot the 834-5, press the **Reset** button on the rear panel of the gateway for **5 seconds** or less. To reset the device to custom defaults, press the **Reset** button for **5 seconds** or more.

# Product Specifications

## Electrical

- Power is provided by a 12V DC Power Adapter that is included with the 834-5. The power adapter operates from a power source of 100 to 240V AC, 50 - 60 Hz. The nominal output is 12V DC +/-5% with a maximum current rating of 4.0 Amps. For US and Canadian applications, a UL Listed limited power source (LPS) is required. For deployment outside of North America, an LPS specifically approved for that country, such as a CE Mark, is required.



### NOTE

*It is strongly suggested that the power supply (a 5-foot (1.5 m) power cord) included with the 834-5 be connected to a surge suppressor device which can have its own extension cable. The surge protection device should provide L-N, L-G, and N-G protection. It is also recommended that the device contains a visual 'GOOD' indicator.*

## Environment

- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature: -40°F to 158°F (-40°C to 70°C)
- Relative Humidity: 10 to 95 percent, non-condensing



### NOTE

*Changes or modifications not expressly approved by ADTRAN will void the warranty.*

# Safety and Regulatory

This product meets the following compliance requirements:

- UL /cUL Listed
- FCC Part 15, Class B
- ICES-003 (Class B)
- IEC 62368-1
- EN 62368-1, AS/NZS 60950.1
- RoHS Compliant

This equipment contains no parts that can be serviced by the user.

Refer to the Safety and Regulator Notice for this product (P/N: 617600021F1-17) for detailed safety and regulatory information.

Consultez l'avis sur la sécurité et la conformité à la réglementation pour ce produit (P/N: 617600021F1-17) pour obtenir des renseignements détaillés sur la sécurité et la réglementation.

Ausführliche Sicherheits- und regulatorische Informationen sind in der Konformitätserklärung zur Sicherheit und Einhaltung von Normen zu diesem Produkt (P/N: 617600021F1-17) aufgeführt.

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

Go to: <https://supportcommunity.adtran.com>

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>

Access additional safety information and product documentation using the QR code or website.



<https://supportcommunity.adtran.com>

**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](http://www.adtran.com/warranty).

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From within the U.S. 1.888.423.8726

From outside the U.S. +1 256.963.8716

**PRICING AND AVAILABILITY 1.800.827.0807**



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