

SDG 800 Series

## 834-5

Wi-Fi 5 Ethernet RG

Open Sync™  
Enabled

Zero-Touch

Adaptive  
Mesh-Enabled

Gigabit



## Benefits

- **Extend Gigabit Connectivity via Wi-Fi 5 Technology**
- **High-Performance Tri-Band Mesh for Coverage Across the Home and Property**
- **4x4 Simultaneous Streams with MU-MIMO for Lag Free Gaming and 4K Streaming**
- **H-Pol Omni antennas Cut RF Interference Delivering 360 Coverage**
- **“Zero-touch” Self-Install and Management via Intuitive App**
- **AI-Drive Adaptive Mesh Delivering Consistent, High-Performance Connectivity to All Users and Devices**
- **OpenSync-Enabled Unlocking Service Innovation**

## Overview

**The Adtran 834-5 is a carrier-class, dual-band, Wi-Fi 5 Gigabit Ethernet router.** It is built to deliver superior Wi-Fi 5 performance, true gigabit routing, and advanced service delivery capabilities, all at an affordable price. Its attractive design enables it to be prominently featured in a subscriber’s home.

### The Solution

The Adtran 834-5 is designed for service providers that require carrier-class performance, reliability, and firmware flexibility from their broadband access gateways. Native support for IPv6, multicast traffic handling for IPTV, dynamic Quality of Service, and TR-069 remote management are standard features. Out of the box, the Adtran 834-5 offers outstanding interoperability with industry-leading TR-069 remote management systems and OpenSync integration.

### Speed to Burn and Room to Grow

With twice the RAM and speed of our previous generation of devices, the 834-5 boasts a Dual-core ARM® Cortex-A53 1.35GHz processor with the power to route IPv4/v6 traffic at 1Gbps bidirectionally, with plenty of processing power left over for value-added applications, such as HomePass by Plume®. This gives service providers unlimited feature, price, and service delivery options.

### OpenSync Integrated

OpenSync is open-source software that delivers and manages your evolving home connectivity and entertainment services. OpenSync acts as silicon, customer premises equipment, and a cloud-agnostic connection between in-home hardware devices and the cloud. OpenSync can be used to collect measurements and statistics from connected user devices and network management elements, as well as to enable customized connectivity services.

## Product Specifications

### Ethernet Interfaces

- 4x 10/100/1000BASE-T LAN Ports
- 1x 10/100/1000BASE-T WAN Port
- MDI/MDI-X Automatically Sense
- RJ-45 Ports with Integrated Link and Activity LEDs

### Ethernet Services

- Symmetric 1 Gbps Throughput
- 802.1D Bridging
- 802.1x Authentication
- Virtual Switch Based on 802.1q VLAN
- VLAN Tagging/Untagging per Ethernet Port
- VLAN Stacking (Q-in-Q) and VLAN Translation
- IP ToS/DSCP to 802.1p Mapping
- Quality of Service (QoS)
  - VLAN-ID
  - 802.1p Bit
  - DSCP to p Bit Translation
- Marking/Remarking of 802.1p
- IGMP v2/v3 Snooping
- Broadcast/Multicast Rate Limiting

### Gateway Features

- Multiple WAN Services
  - DHCPv4/v6
  - RFC2516 PPPoE
  - PPPoE Pass-Through
  - RFC5072 IPv6 over PPP
- DNS Proxy Server
- Dynamic DNS Client
- DHCP Server, Client and Relay
- DHCP Options 60 and 121
- NAT and NAT
- IGMPv2/v3 Proxy and Snooping
- LAN port to VLAN Mapping
- Port Forwarding
- Universal Plug and Play (UPnP)
- Network Time Protocol (NTP)
- Firewall with Stateful Packet Inspection
- IPv6
  - Stateless Address Autoconfiguration (SLAAC)
  - DHCPv6
  - PPPoEv6
  - DNSv6
  - DS-Lite



## WLAN Interface

- Compliant with IEEE 802.11 b/g/n/ac
- Dynamic Frequency Selection
- Multiregion Support
- Dual Band Radios
  - 2.4 GHz 4x4
  - 5.0 GHz 4x4
- WPA2 Support
- Bluetooth 5.0
- Push Button WPS

## USB Interface

- 1 USB Host Interface
- Compliant to USB 3.0

## Dimensions

- 9.8 in x 3.5 in x 7.7 in (249 mm x 90 mm x 195 mm (Height x Width x Depth))
- 2.6 lbs (1176 gm)

## Ordering Information

Equipment	Region	Part No.
SDG 834-5	North & Central America	17600021F1
	United Kingdom	17600021F2
	European Union	17600021F3
	Australia/New Zealand	17600021F4

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