

## SDG 800 Series

## 834-v6

## Dual-Band Wi-Fi 6 Mesh Ethernet Gateway with Voice Support



Wi-Fi 6

AI-Driven,  
Mesh Wi-Fi

Low Power



Gigabit



VoIP

## Benefits

- Extends Gigabit Connectivity via Wi-Fi 6 Technology
- High-Performance, Dual-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 Reduce RF Interference Delivering 360° Coverage
- “Zero-touch” Self-Install and Management via an Intuitive App
- AI-Driven, Mesh Wi-Fi That Delivers Consistent, High-Performance Connectivity to All Users and Devices

## Overview

**The 834-v6 Wi-Fi 6 Service Delivery Gateway (SDG) is a carrier-class, 802.11ax Ethernet residential gateway with Dual-band Mesh, 1GigE WAN/LAN port, and an integrated voice port.** Combining power and elegance, the compact 834-v6 allows you to extend fiber and gigabit performance for buffer-free 4K/8K streaming and gaming, connect 100s of smart home devices, and deliver consistent coverage across the home or business. The Adtran 834-v6 is part of Adtran's next-generation 800 Series Ethernet Gateways and Mesh Satellites that enable a consistent multi-user, multi-gigabit experience across the home and property – enabling a transformational Wi-Fi experience.

## Smarter, Consistent Whole Home Wi-Fi

The Adtran 834-v6 Dual-Band SDG is a true gigabit Ethernet gateway with 1 GigE WAN port and four GigE LAN ports enabling delivery of gigabit services over wired and wireless interfaces. The 834-v6 includes one integrated voice port to support VoIP services. With built-in innovative H-Pol Omni antennas, the 834-v6 SDG delivers 360° coverage anywhere in the home, office, or outdoor spaces.

## Carrier-Class Features

The Adtran 834-v6 is designed for service providers that require carrier-class performance, reliability, and firmware flexibility in their broadband access gateways. Native support for IPv6, multicast traffic handling for IPTV, dynamic Quality of Service (QoS), and FCC Speed Test are standard features. Out-of-the-box, the Adtran 834-v6 SDG offers outstanding interoperability with industry-leading TR-069 remote management systems.

## Speed to Burn and Room to Grow

The 834-v6 boasts a Multi-core ARM® Cortex processor with the power to route IPv4/v6 traffic up to 1Gbps over both wireless and wired interfaces, with plenty of processing power left over for value-added applications, giving service providers unlimited feature, pricing, and service delivery options.

## Performance Personified

Getting the best Wi-Fi does not mean placing it in a corner closet or a shelving unit behind a glass picture frame. The Adtran 800 Series SDGs offer an innovative space-age design that looks great on the desk or shelf while delivering an exceptional Wi-Fi experience to all users and devices.

# 834-v6

## Product Specifications

### Ethernet Interfaces

- 1 x 10/100/1000BASE-T Ports With RJ-45 Connectors
- 4 x 10/100/1000BASE-T Ports With RJ-45 Connectors
- 1 x RJ-11 Voice Port
- Ethernet Port Auto-Negotiation or Manual Configuration (software dependent)
- MDI/MDI-X Automatic Sensing

### Gateway Features

- Multiple WAN Services
  - Point-to-Point Protocol Over Ethernet (PPPoE)
  - Dynamic Host Configuration Protocol (DHCP)
- DHCP Server for LAN Devices
- DNS Relay
- Network Address Translation (NAT)/Network Address Port Translation (NAPT)
- Port Forwarding
- Static Routing
- Access Control List (ACL)
- VPN Pass-Thru for Point-to-Point Tunneling Protocol (PPTP), Layer 2 Tunneling Protocol (L2TP), and IP Security Protocol (IPSec)

- Firewall
- Application Layer Gateway (ALG)
- Demilitarized Zone (DMZ)
- Dynamic Domain Name Server (DDNS)
- Network Time Protocol (NTP)
- Universal Plug and Play (UPnP)
- IGMP Proxy
- IPv6
  - Stateless Address Autoconfiguration (SLAAC)
  - DHCPv6
  - PPPoEv6
  - DNSv6

### WLAN Interface

- Compliant With IEEE 802.11 b/g/n/ac/ax
- Dynamic Frequency Selection
- Multi-Region Support
- 2.4 GHz and 5.0 GHz
- Dual-Band Radios
  - 2.4 GHz 2x2
  - 5.0 GHz 2x2
- WPA3 Support
- Bluetooth 5.0
- Push Button WPS



## USB Interface

- 1 USB Host Interface
- Compliant With USB 3.0

## Voice Interfaces

- RJ-11 Interface
- 3-REN, 50V RMS
- RFC 3261 SIPv2
- Full CLASS Feature Set
- ANSI and ETSI POTS
- T.38 Facsimile
- Configurable Dial Plan
- Configurable Country Specific Ring-Back Tones (Frequency and Cadence)

## Dimensions

- 8.1 in x 3.9 in x 6.6 in  
(206 mm x 98 mm x 168 mm) (H x W x D)
- Weight: 1.3 lbs (584 gm)

## Power Supply

- External AC/DC Power Adapter
- AC Input: 100~240 VAC @ 50/60Hz
- Max Power Consumption: <30W

## Working Environment

- Temperature: 41° F – 104° F  
(5° C – 40° C)
- Humidity: 5% – 85% Relative Humidity

## LEDs

- Multifunction RGBW
- 2.4GHz
- 5GHz
- WPS
- Ethernet Link/Activity

## Safety and EMI

- CE Certificate
- FCC/Industry Canada Certified, UL Listed
- ETL Intertek Listed (UL 62368-1)
- CE/UKCA Mark
- DFS Certified
- ACMA/RCM Compliant
- RoHS 6 of 6

## Ordering Information

| Equipment  | Region                  | Part No.    |
|------------|-------------------------|-------------|
| SDG 834-v6 | North & Central America | 17600023F1S |
|            | United Kingdom          | 17600023F2S |
|            | European Union          | 17600023F3S |
|            | Australia/New Zealand   | 17600023F4S |

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