Adtran

Data Sheet

SDG 800 Series

834-5

Dual-Band Wi-Fi 5 Mesh Ethernet Gateway

Wi-Fi 5 | AI-Driven, Mesh Wi-Fi | Low Power | Gigabit

Benefits

- **Extend Gigabit Connectivity Via Wi-Fi 5 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 Cut RF Interference Delivering 360° Coverage**
- **AI-Driven Mesh Wi-Fi Delivering Consistent, High-Performance Connectivity to All Users and Devices**

Overview

The 834-5 Wi-Fi 5 Service Delivery Gateway (SDG) is a carrier-class, 802.11ac Ethernet residential gateway with dual-band Mesh, and 1GE WAN/LAN port. It is built 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 834-5 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 834-5 Dual-Band SDG is a true gigabit Ethernet gateway and includes a 1GigE WAN port and four 1GE LAN ports enabling gigabit service delivery over wireless and wired interfaces. Housed in an elegant tower design, the 834-5 includes innovative H-Pol Omni antennas, delivering 360° coverage anywhere in the home, office, or outdoor spaces.

Carrier-Class Features

The Adtran 834-5 is designed for service providers that require carrier-class performance, reliability, and firmware flexibility in their broadband residential 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 834-5 SDG offers outstanding interoperability with industry-leading TR-069 remote management systems.

Speed to Burn and Room to Grow

The 834-5 boasts a Multi-core ARM® Cortex processor with the power to route IPv4/v6 traffic at 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.

834-5

Product Specifications

Ethernet Interfaces

- 1 x 10/100/1000BASE-T WAN Port With RJ-45 Connectors
- 4 x 10/100/1000BASE-T LAN Ports With RJ-45 Connectors
- 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
- Dynamic Frequency Selection
- Multi-region 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 With USB 3.0

Dimensions
- 9.8 in x 3.5 in x 7.7 in (249 mm x 90 mm x 195 mm) (H x W x D)
- 2.6 lbs (1176 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 834-5	North & Central America	17600021F1S
	United Kingdom	17600021F2S
	European Union	17600021F3S
	Australia/New Zealand	17600021F4S

Adtran

Adtran Corporate Headquarters
901 Explorer Boulevard
Huntsville, AL 35806
USA
adtran.com
sales@adtran.com

Adtran Europe Limited
Building 2200 Basing View
Basingstoke RG-21 4EQ, UK
contact@adtran.com

Adtran GmbH
Jean-Monnet-Straße 4,
10557 Berlin, Germany
kontakt@adtran.com

Adtran Networks Pty. Limited
L5 330 Collins Street
Melbourne, Victoria, 3000
Australia
australia@adtran.com

617600021FxS-8D

March Copyright © 2023 Adtran, Inc. All rights reserved. Adtran believes the information in this publication to be accurate as of publication date, and is not responsible for error. Specifications subject to change without notice. Adtran and the other trademarks listed at www.adtran.com/trademarks are registered trademarks of Adtran, Inc. or its affiliates in various countries. All other trademarks mentioned in this document are the property of their respective owners.

Adtran warranty duration and entitlements vary by product and geography. For specific warranty information, visit www.adtran.com/warranty

Adtran products may be subject to U.S. export controls and other trade restrictions. Any export, re-export, or transfer of the products contrary to law is prohibited. For more information regarding exportation of Adtran items (e.g. commodities, technology, software), please visit www.adtran.com/exportlicense.

ADTRAN Certified Supplier
ISO 9001
ISO 14001
TL 9000

TL9000
TL.19.1270