

ADTRAN

834-5

Ethernet RG

Wi-Fi 5 Service Delivery Gateway



Elegant
Design



OpenSync™
Enabled



Zero-Touch



Adaptive
Mesh-Enabled

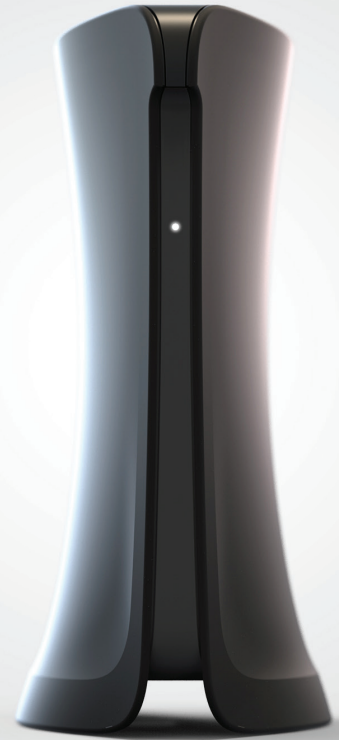







Gigabit

ADTRAN 834-5 Ethernet RG Wi-Fi 5 Service Delivery Gateway

Benefits

- True gigabit router
- Zero-touch quality of service
- Self-install ready
- Superior Wi-Fi range
- Supports whole-home mesh Wi-Fi
- Embedded speed testing up to 1Gbps
- Remote service troubleshooting and home management via TR-069



-  Elegant Design
-  Adaptive Mesh-Enabled
-  OpenSync Enabled
-  Gigabit Speeds
-  Zero-Touch

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 performance, and advanced service delivery capabilities, all at an affordable price. Its attractive design enables it to be prominently featured in a subscriber's home. Its SmartOS, an open-source-based OS, is ready to deliver an advanced suite of services and applications that create added value.

The Solution

Engineered in North America, the ADTRAN 834-5 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, 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 twice the 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®, giving 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. Use OpenSync to collect measurements and statistics from connected user devices and network management elements, as well as to enable customised 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
- 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 to USB 3.0

Dimensions

- 249 x 90 x 195mm (Height x Width (Base) x Depth)

Power Supply

- External AC/DC power adapter
 - AC Input: 100~240 VAC @ 50/60Hz
 - DC Output: 12 VDC @ 3.0A
- UL Listed

Product Specifications

Working Environment

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

Safety and EMI

- FCC certified
- Industry Canada certified
- ETL Intertek Listed (UL 62368-1)
- ETSI compliant
- CE certificate
- ACMA/RCM certified
- UKCA certified
- DFS certified

Environmental Directive

- RoHS 6 of 6

Ordering Information

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

I617600021Fx-8D

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