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

OpenSyn is open-source software that delivers and manages your evolving home connectivity and entertainment services. OpenSyn 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.

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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/Detagging 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
- NAPT 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

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