



SDG 8732

Wi-Fi 7 tri-band gateway with 2.5GbE WAN and LAN ports

Benefits

- Multigigabit Wi-Fi 7 tri-band gateway
- Zero-touch install via intuitive mobile app
- High-performance tri-band mesh Wi-Fi with support for 6GHz band and 320MHz channels
- Multi-core ARM processor to power next-generation smart home applications
- Advanced antenna design ensures better rate-reach and coverage
- Open cloud-management support-Intellifi, TR-069/TR-369 or Plume

Overview

Adtran's 8700 Series Wi-Fi 7 Service Delivery Gateways (SDGs) build upon the successes of their predecessors, enabling multigigabit services and Extremely High Throughput (EHT) Wi-Fi 7, with better-than-ever, class-leading subscriber experience enhancements.

Multigigabit Wi-Fi 7 gateway

The SDG 8732 is a tri-band Wi-Fi 7 (802.11be) residential gateway with a 2.5GbE WAN port, 6GHz band and 320MHz channel support, making it ideal for multigigabit whole-home coverage to homes and small businesses. With a 2x2 radio in the 2.4GHz and two 3x3 radios in the 5GHz and 6GHz bands, the SDG 8732 works as a primary gateway or satellite, delivering up to 14Gbit/s of aggregate Wi-Fi bandwidth. Now, you can support hundreds of smart-home devices and bandwidth-intensive gaming, streaming, AR/VR, and remote working applications for multiple users in the home or business. The SDG 8732 supports multigigabit on the LAN with two 2.5GbE ports.

Powerful yet power-efficient

The SDG 8700 Series features an advanced ARM multicore CPU, boasting 4x more processing power to support multiple 4K streams, low-latency gaming applications, and innovative revenue-boosting smart home apps. Intelligent power management, a 6nm processor, and the use of recyclable materials ensure a sustainable, environmentally friendly Wi-Fi solution. In addition, the elegant, compact design supports wall-mounting or placement on a desk, bookshelf, or tabletop to deliver exceptional Wi-Fi experiences to all users.

Open platforms unlock innovation.

The Adtran Residential Wi-Fi solutions, including 800, 8600 and 8700 Series SDGs, provide operators with a choice of market-leading open-source platforms. We support Intellifi, TR-369, TR-069 and Plume cloud-management platforms.

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Product specifications

Network interfaces

- WAN
 - 1 x 2.5GbE port
- LAN
 - 2 x 2.5GbE port

WLAN interfaces

- Compliant with IEEE 802.11b/g/n/ac/ax/be
- Tri-band radio configuration
 - 2.4GHz 2x2 up to 40MHz
 - 5GHz 3x3 up to 160MHz
 - 6GHz 3x3 up to 320MHz
- 3 x SSIDs per radio
- Integrated internal antenna array
- WPA3 support

Software features*

- Multiple WAN services
 - DHCPv4/v6
 - RFC2516 PPPoE
 - PPPoE pass-through
- 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
- DNSv6
- Mesh Wi-Fi features
 - IEEE 802.11 4-address (4mac) encapsulation
 - IEEE 802.11k Radio resource measurement
 - IEEE 802.11v Wireless network management
 - IEEE 802.11r Fast BSS transition
 - Zero-touch AP pairing
- Custom Default Themes (CDT)/Configurations
- Touchless Quality of Service (wired and Wi-Fi)
- AutoWAN
- TR-069/TR-369 Remote Management
- TR-181 Device Data Model

*Features depend on firmware load

Ethernet services

- Symmetric 2.5 Gbit/s Throughput
- 802.1D Bridging
- 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

Console port

- Compatible with USB to TTL FDTI type serial adapters

Dimensions

- 7.5" x 5.7" x 2.9" (190mm x 144mm x 74mm) (H x W x D)

Operating environment

- 41° F – 104° F (5° C – 40° C)
- Humidity: 5% – 85% relative humidity

Safety and EMI

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

Environmental

- RoHS: Directive 2015/863/EU
- WEEE: Directive 2012/19/EU WEEE

Power supply unit

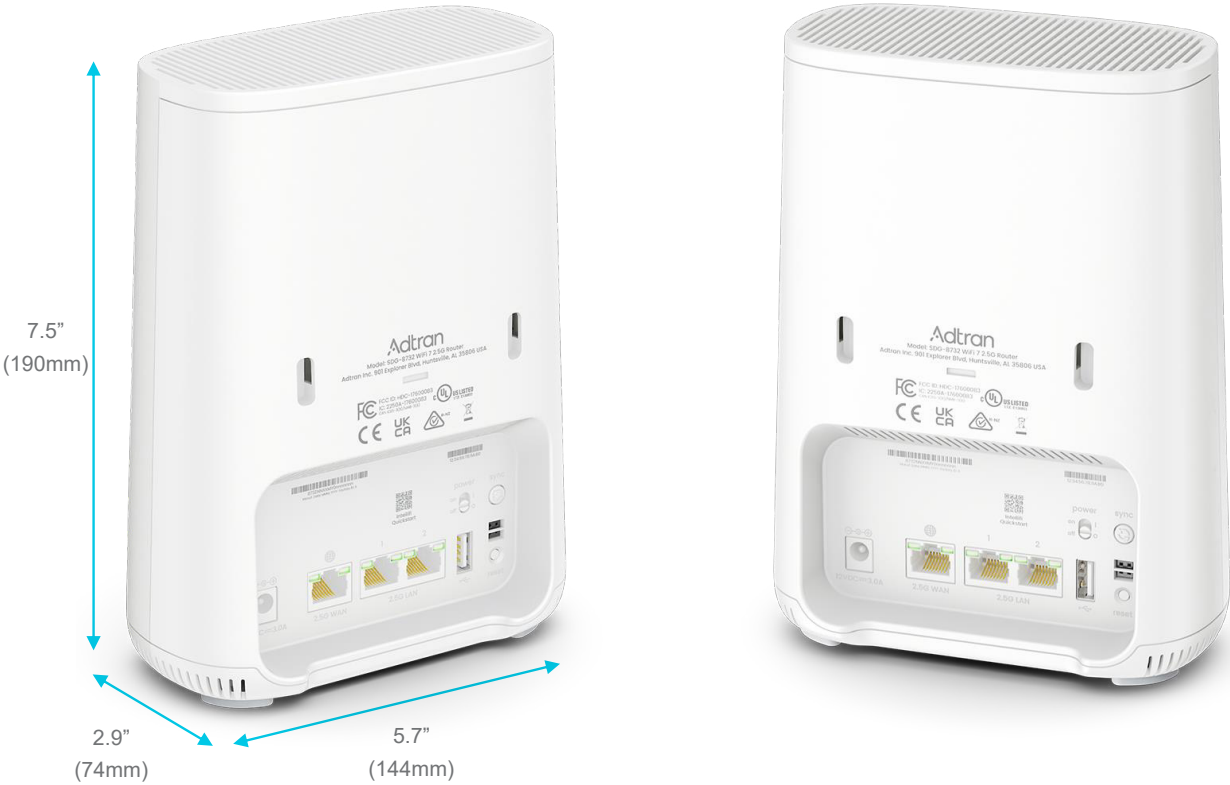
- External power adapter
- AC Input: 100~240V, 50/60Hz @ 1.0A
- DC Output: 15 VDC @ 3.0A
- Surge Protection: ITU-T K.21 Enhanced compliant

SDG 8732

Ordering information

Product	Description	Region	Wi-Fi country code	Part number
SDG 8732	2.5G RG/AP SmartOS US	Americas	US	17600088FIS
	2.5G RG/AP PlumeOS US	Americas	US	17600088FIP
	2.5G RG/AP SmartOS Global	All regions	Global (US, UK, DE, AU)	17600088FGS
	2.5G RG/AP PlumeOS Global	All regions	Global (US, UK, DE, AU)	17600088FGP
	2.5G RG/AP CFA	All regions	Global (US, UK, DE, AU)	17600088FG

*Note:For additional part numbers or a custom quote, please contact sales@adtran.com.



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