

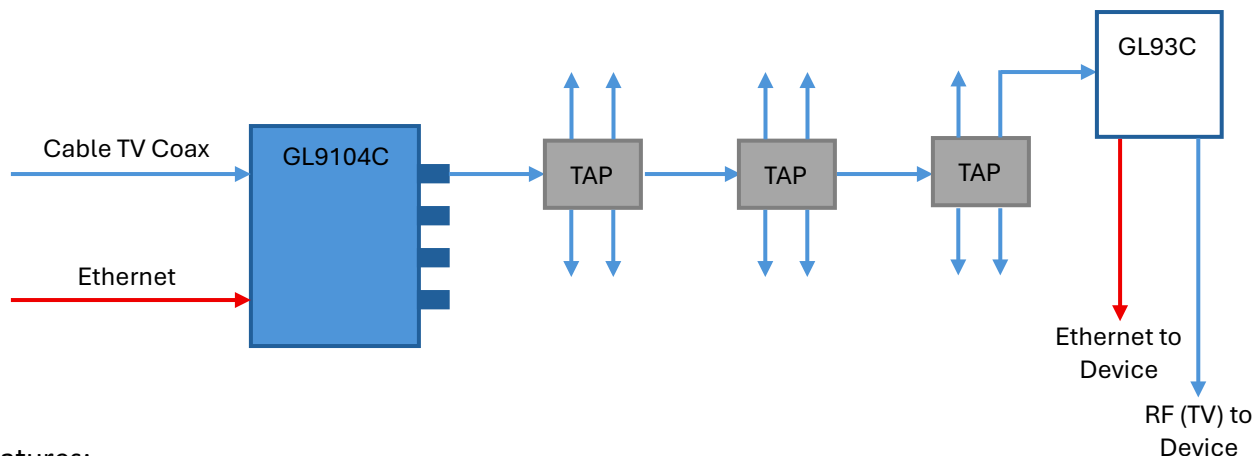
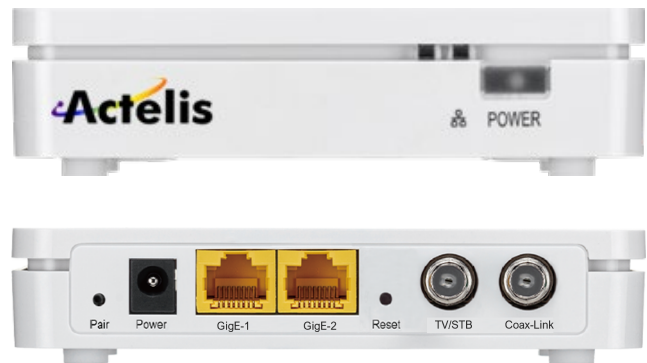
GL93C Coax to IP Receiver

Actelis Gigabit Ethernet over Coax



The **GL93C** is the receiver component of a Gigabit ethernet distribution solution utilizing existing Coax Cable wiring in buildings such as Apartments, Hotels-Motels, Senior Living, Office buildings and anywhere else a coaxial network exists and pulling ethernet cable is cost prohibitive.

The GL93C is the receiver part of the system that is located in the customers premises and receives the RF signals on the Coax cable system from the GL9104C Hub and then outputs an Ethernet (RJ45) and Cable TV signal (F connector) for connectivity in the premises. Up to 16 of the GL93C receivers can be connected via the coax distribution system to each output port on the GL9104C Hub.



Features:

- Compact customer premises device
- Uses standard cable TV frequencies
- Uses standard G.hn technology
- Two 1 Gbit RJ45 ports
- Two F female connectors (one TV only loop through)
- 1 Gbit throughput
- Low power consumption $\leq 12W$
- AES128 encryption for security
- DHCP Client
- IPv4 and IPv6 compatible

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Specification

Interfaces	
Network Interface (WAN)	- G.hn over coax, Coax port, F-type connector - Compliant with the ITU-T G.hn G.9960 / G.9961 / G.9962 / G.9964 - Up to 1.7Gbps, Frequency 2~200MHz
Local (LAN) Network Interfaces	2 x 10/100/1000BaseT Ethernet ports. (RJ45)
Other Interfaces	- Coax Port, TV Out (pass through), F-type connector - LP & HP diplexer Built-in.
Management Interfaces	- Operating Modes: Bridge - Reset Button – Factory default or restart

G.hn over Coax	
G.hn Wave-2	- ITU-T Standards: G.9960, G.9961, G.9962 Management, G.9964 - Up to 1.7 Gbps with Dynamic Time Allocation to optimize throughput - Frequency Band: Supports OFDM 200 MHz
Topologies supported	End point in a Point-to-MultiPoint topology, GL9000C as the headend
Security	Encryption AES-128

Layer 2 and Management	
VLANs	Controlled through the GL9000aggregation switch
DHCP	DHCP Client *t
Remote Management	Remote management through the GL9000C aggregators
IGMP Snooping.	Supports IPv4 IGMP snooping and Ipv6 MLD
Firmware Upgrade	Locally, through GL910C
IPv4 and IPv6	Dual stack
Statistics	TX, RX bytes and packets on all ports

Front Panel LEDs and Buttons	
LAN LEDs	GREEN color for LAN port 2, RED for LAN port 1
G.hn link LED	- OFF: Port disconnected, or link failed - LED color represents G.hn connection BW
POWER	Green: Power on
Buttons (Front)	RESET: Restore to default settings.
Connections	- LAN2: Ethernet 100/1000BaseT. - LAN1: Ethernet100/1000BaseT. - COAX: G.hn connection. WAN port. - TV: TV out signal to a TV. - POWER IN: 12V DC power adapter

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Compliance	
CE-EMC, CE-LVD, FCC Part 15 Class B	
UL compliant	
ROHS and WEEE compliant	
HGF Compliant	
Power	
Input	• DC 12 V / 1A • Power in - AC/DC Adaptor, DC Jack
Physical	
Dimensions (L x W x H) w/stand	• 130 x 80 x 25mm
Temperature	• Operating Temperature: -10 ~ 40°C • Storage Temperature: -20 °C to 70 °C
Relative Humidity	• Operating: 10 ~ 85% RH (non-condensing) • Storage: 5~90% non-condensing

