

GL93C-W

Integrated G.hn and Wi-Fi Customer unit /End Point

GL93C-W delivers 1 Gbps bandwidth over existing coax infrastructure as well as offering an integrated Wi-Fi 6 bridge/router Endpoint, all within the same device. This comprehensive Access Point (AP) significantly simplifies installation and management and provides an easy-to-use solution for MDU/NTU/Hospitality subscribers.

Key Features

- G.hn over existing Coax (WAN)
- 1 Gbps throughput
- Wi-Fi 6 Dual band, dual-concurrent
- Web UI, SNMP



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, Range 500 meters
Local (LAN) Network Interfaces	• 2x 10/100/1000BaseT Ethernet ports. (RJ45) • 1 x 1 Gbps SFP port (optional)
Wireless Interfaces	• WiFi6 IEEE 802.11a/b/g/n/ac/ax • 2.4GHz & 5GHz, Dual-band dual-concurrent (DBDC), Internal antennas
Other Interfaces	• Coax Port, TV Out, F-type connector
Management Interfaces	• Operating Modes: Router / Access Point / 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 compliant • 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, GL910C as headend
Security	• Encryption AES-128

Wireless Capabilities	
Wi-Fi Standards	• IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 4/5/6) • Support Mesh Wi-Fi
Frequency Bands	• 2.4 GHz: Up to 574 Mbps (20/40 MHz channels) • 5 GHz: Up to 1201 Mbps (40/80 MHz channels)
MIMO & Antenna Configuration	• MIMO: 2x2 MU-MIMO • Antenna Type: 2 Internal
DFS Support	• Yes - Zero-Wait DFS

Wireless Capabilities	
Channel Bandwidth	2.4 GHz: 20/40 MHz 5 GHz: 40/80 MHz
SSID	Up to 4 SSIDs
Wireless Security	- WPA/WPA2/WPA3-Personal - Wi-Fi Protected Setup (WPS)

Layer 2 Switching	
VLANs	Optional VLAN per SSID and per Ethernet port
DHCP	- DHCP Server - DHCP Client
Quality of Service	Supported

Management	
Remote Management	Full remote management through the GL910C aggregator
Web GUI Interface	HTTP
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 and SFP LEDs	- LAN1: On - Green. - LAN2: On - Green - SFP: On - Green.
WIRELESS LED :	On Green, WLAN is ready.
G.hn link LED	- On - Color represents G.hn connection BW - Green: PHY rate > 300Mbps - Amber: PHY rate 100 ~ 300Mbps - Red: PHY rate < 100Mbps
POWER	Green: Power on
POWER On/off button	Off: Power off or fail
Buttons (Front)	- WPS: Press to begin Wi-Fi Protected Setup (WPS) procedure. - RESET: Restore to default settings. - PAIR: <i>Not applicable (only for G.hn Home Networking)</i>
Interfaces	- LAN2: Ethernet 100/1000BaseT. - LAN1: Ethernet 100/1000BaseT. - SFP: 1 Gbps SFP port - COAX: G.hn based WAN port. - TV: TV out signal to a TV. - POWER IN: 12V DC power adapter

Certifications	
CE Mark, FCC Part 15 Class A	
UL compliant	

Power	
Input	- On/off button 90~264VAC 50~60Hz - Power consumption: Idle: 8.2W, Typ.: 11W, Max: 16.2W

Physical	
Dimensions (L x W x H) w/stand	145 × 80 × 210 mm 5.7 x 3.16 x 8.27 inch

Installation	• Desktop unit
Environmental	
FAN	• 1x Fan
Temperature	• Operating Temperature: 0 ~ 40°C • Storage Temperature: -10 °C to 60 °C
Relative Humidity	• Operating: 80% RH (non-condensing)

Actelis Networks, Inc. (NASDAQ: ASNS) is a market leader in hybrid fiber-copper, cyber-hardened networking solutions for rapid deployment in wide-area IoT applications, including government, ITS, military, utility, rail, telecom, and campus networks. Actelis' innovative portfolio offers fiber-grade performance with the flexibility and cost-efficiency of hybrid fiber-copper networks. Through its "Cyber Aware Networking" initiative, Actelis also provides AI-based cyber monitoring and protection for all edge devices, enhancing network security and resilience.

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