

GL910C

PON Extender, G.hn wave2, Indoor aggregation unit

An ideal solution for instant distribution of 1 Gbps services to MDU/NTU subscribers over existing coax infrastructure. Extremely cost-effective, low entry cost, pay as you scale solution.

Key Features

- Serving up to 160 customers over Coax.
- Pay as you grow architecture, Scalable
- 10 x G.hn Coax ports with Actelis GL901SC (downlinks)
- 2 x 10 Gbps SFP+ uplinks
- Advanced L2 switching, non-blocking.
- Fully Managed, Web UI, SNMP



GL910C – PON Extender,
G.hn Aggregation



Fully Populated GL910C- 10 G.hn over Coax, 2x
10G Uplinks, Craft port

Specification

Interfaces	
Network Uplink	• 2 x 10 Gbps ports for uplink, SFP+ • Active Ethernet OR GPON/EPON/XGS-PON via external ONU/ONT
Toward Subscribers (downlink)	• 10 x 1/2.5 Gbps ports, to be used with GL901CS G.hn over coax SFPs • Each G.hn SFP port can support up to 1.7Gbps, 16 subscribers
Management Interfaces	• Console port, RJ45, Baud rate 115200, 8/N/1 • Reset Button – Factory default or restart

G.hn	
G.hn over Coax	• Via Actelis GL901CS SFP, Ports 1-10, Coax (F-type connector)
G.hn Wave-2	• ITU-T Standards : G.9960/1, 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	• Point-to-MultiPoint - up to 16 Subscriber per G.hn port
Ease of Operation	• Firmware downloads and configuration for end units
Security	• Encryption AES-128

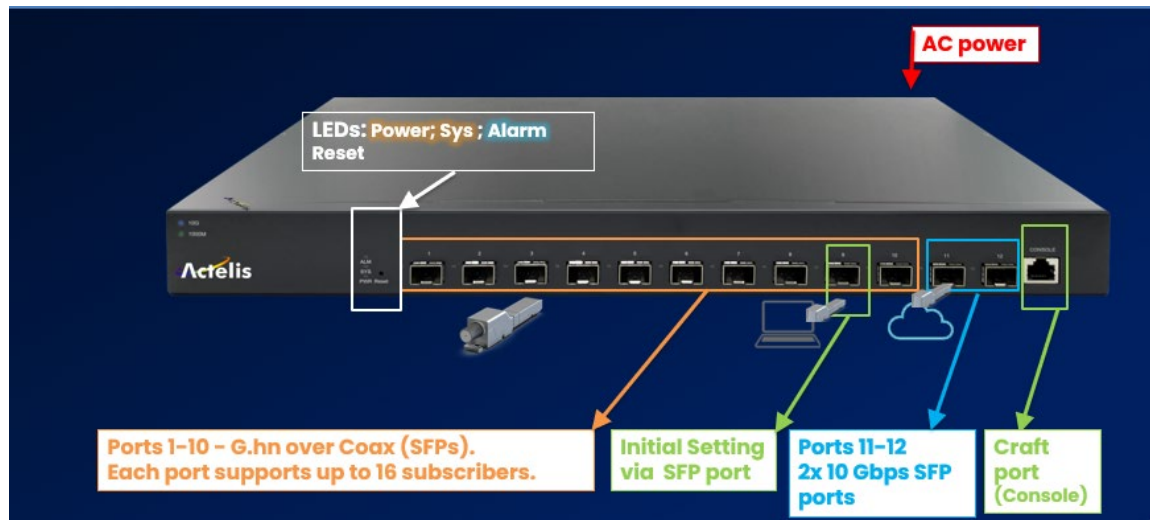
Layer 2 Switching	
Spanning Tree Protocol	• STP/RSTP/MSTP IEEE 802.1d/ 802.1w/IEEE 802.1s
MAC Table	• Up to 32K MAC addresses
Jumbo Frame	• 10240 bytes

Layer 2 Switching	
Link Aggregation Control Protocol (LACP)	IEEE 802.3ad for any SFP+ (uplink) ports
VLANs	- Supports up to 4K VLANs simultaneously - VLAN supported: Port-based VLAN; IEEE 802.1Q tag-based VLAN; IEEE 802.1ad (Q-in-Q) double tag; MAC-based VLAN; Management VLAN
IGMP	v2/v3 Snooping
DHCP	- DHCP for dynamic IP addresses, DHCP Snooping - DHCP Relay By supporting DHCP option 82*
Quality of Service	- Eight hardware queues per port - Scheduling Strict Priority and Weighted Round-Robin (WRR) - Queue assignment: Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence / Type of Service (ToS). - QoS Rate Limiting Ingress/Egress

Management	
Management	Telnet; SSH, HTTP/S, SNMP
Web GUI Interface	HTTP/ HTTPS – Easy-to-use dashboard for configuration, maintenance, and monitoring
Firmware Upgrade	- Web browser upgrade HTTP or TFTP - Dual Firmware Image
IPv4 and IPv6	Support both
SNMP	SNMP V1/2c/3, Support for traps
Remote Monitoring (RMON)	RMON groups 1,2,3,9 (history, statistics, alarms & events)
Port Mirroring	Mirroring per port, Multiple ports
Network Timing Protocol	Simple Network Time Protocol (SNTP)
Discovery Link Layer Discovery Protocol (LLDP)	IEEE 802.1ab
ACL	ACL per MAC, VLAN, and IP based
Monitoring	CPU Usage, Memory Usage; Temperature & Voltage monitoring

Front Panel LEDs and Buttons	
Power LED	- Off: power off or fail - On Green: power on
Status (System) LED	- SYS: Green LED - Off: power off / fail - On Green: System is ready - Blinking: System booting up
ALARM LED	- Off: No Faults - On RED: Alarm - system failure, overheat, wrong voltage
1-10 Port LED: Link/ACT	- Off: Port disconnected or link fail - On Blue: 2.5 Gbps - On Green: 1000 Mbps - Blinking: sending or receiving data
11-12 Port LED: (SFP+) Link/ACT	- Off: Port disconnected or link fail - On Blue: 10 Gbps - On Green: 1000 Mbps - Blinking: sending or receiving data
Reset button	- Push for six seconds to load the default setting. - Status (SYS) LED will be blinking

Certifications	
CE Mark, FCC Part 15 Class A	
UL compliant	
Power	
Input	90~264VAC 50~60Hz . Power consumption < 40W
Physical	
Dimensions	441(W) x 131(D) x 44 (H) mm; 17.3 (W) x 5.15 (D) x 1.7 (H) inch
Environmental	
FAN	1x Fan
Temperature	- Operating Temperature: 0 ~ 50°C - Storage Temperature: -40 ~ 70°C
Relative Humidity	- Operating: 10% ~ 90% RH (non-condensing) - Storage: 5% ~ 90% 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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