G.hn Wave2 over Coax Adapter

G.hn 2Gbps **|** 200MHz **|** Built-in Diplexer

GCA-6010

GCA-6010 is designed as CPE (customer premises equipment) for Ethernet Adapter over coax network home networking, as well as for MDU application over a shared coaxial network. GCA-6010 fully complies with ITU-T G.hn standards for a coaxial interface and supports a 200MHz operating band and built-in diplexer for coexistence with CATV/UHF/VHF services.

Two coaxial interfaces on the GCA-6010; one is for connecting to the backbone coax network and the other is for the TV set.

KEY FEATURES

- **Super Performance:** With ITU-T G.hn baseband plans, 200MHz for coax up to 2Gbps PHY rate over coax.

- **Ultra High-Speed Data Transmission:** Of up to 1.7 Gbps dramatically increases the performance of next-generation home entertainment.

- **Plug & Play:** Allows quick and easy connections with embedded plug-and-play, no extra configuration required. It can be paired easily by simply connecting Ethernet cables to routers and devices.

- **Security:** With advanced data encryption capability, the coax networks are safer and more secure.

- **Diplexer for existence with existing TV service:** Cut-off above 250MHz for existing TV signals, saving the extra cost for deployment.

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SPECIFICATIONS

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Interface	▪ RJ-45 X1 for GE Ethernet ▪ LED Indicators:, G.hn, Security, LAN, PWR ▪ Buttons: G.hn pairing, Reset ▪ F-type connector x 2
G.hn (Coax)	▪ ITU-T G.9960 & G.9961 compliant ▪ G.hn 200MHz ▪ Link rate 2Gbps, ▪ Data throughput 1.7Gbps
Management	▪ HTTP Web-based ▪ TR-069 over IPv4/v6 dual stack
Network Protocols	▪ 802.1D Ethernet Bridge ▪ 802.1Q VLAN ▪ Quality of Service (QoS) ▪ IGMP(IPv4) Snooping & MLD(IPv6) Snooping
Diplexer for existing TV service	Frequency: 250MHz to 1.2 GHz
External Power Adapter	Input: AC100-240V, Output: DC12V /1A
Dimensions	133mm (D) x 70mm (W) x 38mm (H)
Certifications	CE, FCC, UL, ITU-T G.hn Standard
ENVIRONMENT	
Operating Temperature	0 ~ 40 degrees Celsius
Relative Humidity	8 ~ 95% (non-condensing)

COMTREND

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.