G.hn over Coaxial Adapter

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

GCA-6010
Coax Ethernet Adapter

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

Two coaxial interfaces on the GCA-6013; one is for connecting to the backbone coax network and the other is for the TV set.

FEATURES

· **Super Performance**
Support ITU-T G.hn baseband plans, 200MHz for coax up to 2Gbps PHY rate over coax, having Robust Communication Mode (RCM) to prevent noise interference from other home appliances.

· **Ultra High Speed Data Transmission**
High speed (up to **1.7 Gbps**) dramatically increases the performance of next-generation home entertainment applications such as multiple Ultra High Definition (UHD) video stream over IP (IPTV), 3DTV streaming and VoIP, digital video recorder (DVR) networking and media center PCs.

· **Plug & Play**
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.

· **No Extra Wires Needed**
The local area network can be extended without the hassle of having to install extra wiring because the coax network is already a commonplace fixture in households.

· **Extends Connecting Range & Eliminates Dead Spots**
Unlike wireless, Power line technology is capable of actually covering more than 95% of a typical household area.

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

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SPECIFICATIONS

Interface
- RJ-45 X1 for GE Ethernet
- LED Indicators:, G.hn, Security, LAN, PWR
- Buttons: G.hn pairing, RESET
- F-type coonector x 2

G.hn (Coax)
- MaxLinear 88LX5153 + 88LX2730
- 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: 300MHz to 1.2 GHz

External Power Adapter
- Input: AC100-240V, Output: DC12V /1A

Environment Condition
- Operating temperature: 0 ~ 40 degrees Celsius
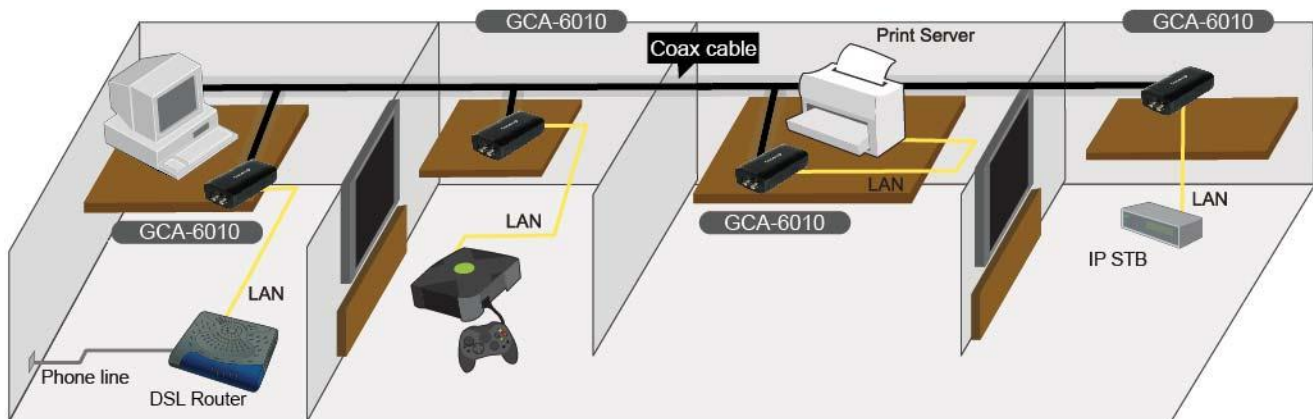- Relative humidity: 8 ~ 95% (non-condensing)

Dimensions
- 133mm (D) x 70mm (W) x 38mm (H)

Certifications
- CE, FCC, UL, ITU-T G.hn Standard

Note: Specifications are subject to change without notice.

COMTREND