

# G.hn | COAX OVER ETHERNET ADAPTER

## PRODUCT OVERVIEW

Comtrend's G.hn Ethernet over Coax Adapter is the first G.hn standards compliant Ethernet over Coax adapter. It allows users to extend a local area network via existing coax cables, and therefore provides an inexpensive option for a fast wired, Internet connection.

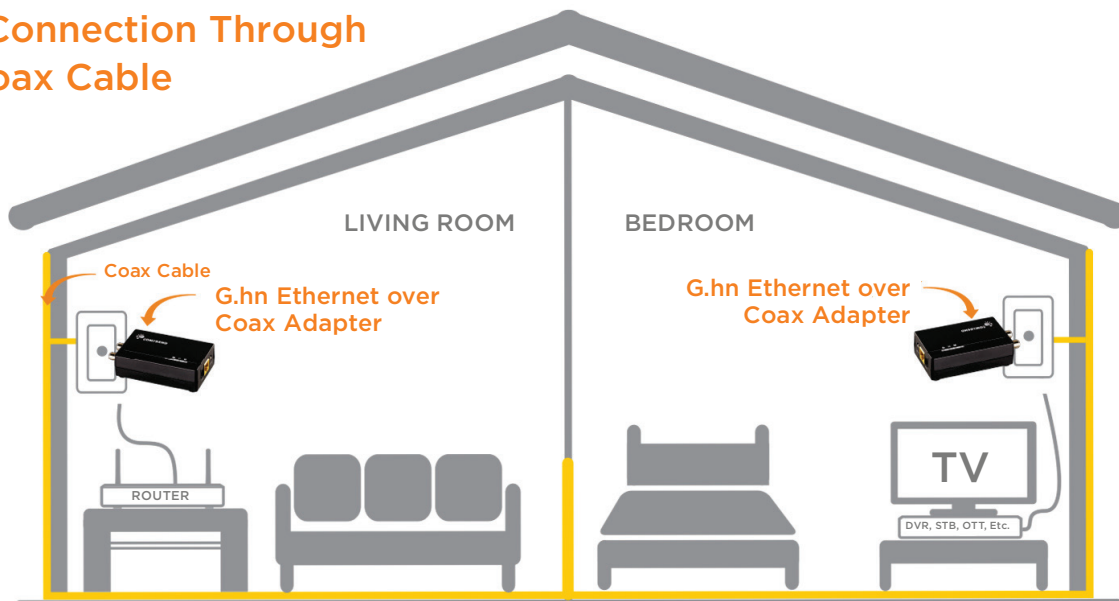
Existing coaxial cables are already installed throughout many homes and businesses. When these existing coaxial cables are NOT being used for passing Cable TV/Cable Internet services, these coaxial cables provide a perfect physical medium to create a high performing Internet connection. The combination of low interference coaxial cabling plus the efficiency of the video-optimized G.hn standard enables the best real world Internet performance.



The optimal solution in most cases would be a direct-wired Ethernet (RJ-45) connection. However, for most users, this is an expensive and troublesome option. Alternative technologies, including WiFi and WiFi Extenders offer connectivity but often continue to have connectivity issues. Using existing coaxial cables saves valuable service time, reduces truck rolls, and provides a network connection that is both higher performing and more secure than wireless technology.

**Note:** The GCA-6000 CAN be used when the coax cable is not being used (i.e. "Dark Coax"). The GCA-6000 CANNOT be used when the coax cable is being used for Cable TV/Satellite TV Services.

## Direct Connection Through Your Coax Cable



DS\_GCA-6000\_V2016.3

# GCA-6000

## Internet Connectivity Options

Internet Connectivity Type	Low Installation Cost/Effort	High Performance	Low Interference Susceptibility
Using Existing Coaxial Cable	YES	YES	YES
Using New Ethernet Cable (RJ-45)	NO	YES	YES
Using Existing Powerline	YES	MODERATE	MODERATE
WiFi	YES	NO	NO

## FEATURES

### Introducing a Low Cost Networking Alternative

Take advantage of the existing coaxial cables/networking infrastructure in the home or business to deliver affordable Internet connectivity.

### Enhances the Video Streaming Experience via G.hn

Forward Error Correction (FEC) technology is designed to improve video quality and minimize video lag.

### Works in Collaboration with FTTH Deployments

With the growth of Fiber deployments, the coaxial line is now more available than ever to provide fast, low interference Internet connectivity.

### Turns Coax Cables into an Ultra-Fast Network

Can connect up to 32 devices within a G.hn coax cable network.

## SPECIFICATIONS

### Interface

- RJ-45 X 1 for Ethernet Connection
- F-Type Connector
- F-Type Connector for Built-In Diplexer of 100MHz (Optional)
- DC Power Jack X 1

### Ethernet

- Standard IEEE 802.3
- 10/100/1000 Mbps BaseT Auto-Sense
- Auto Rate and Duplex Negotiation
- MDI/MDX Support

### Modulations

- OFDM, FEC, Flexible Frequency Configuration

### PHY Rate

- Up to 1200Mbps

### Management

- HTTP Web-based; Firmware Upgrade Via TFTP
- TR-069 Supported (Optional)

### Case

- Plastic

### Dimensions

- 3.90 x 2.67 x 0.96 in; 99 x 67.7 x 24.5mm

### Security

- AES 128 Bits Encryption Ensures Total Data Security
- One Button Security Set-Up
- Configuration Button for Factory Reset and Switch Off/On LEDs Function

### Weight

- 110g; 388oz

### Temperature

- Operating: 32~104°F (0~40°C)
- Storage: -4~158°F (-20~70°C)

### Humidity

- Operating: 10~90% RH (Non-Condensing)
- Storage: 5%~90% (Non-Condensing)

### EMC

- FCC, CE Class B

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