COMTREND

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.
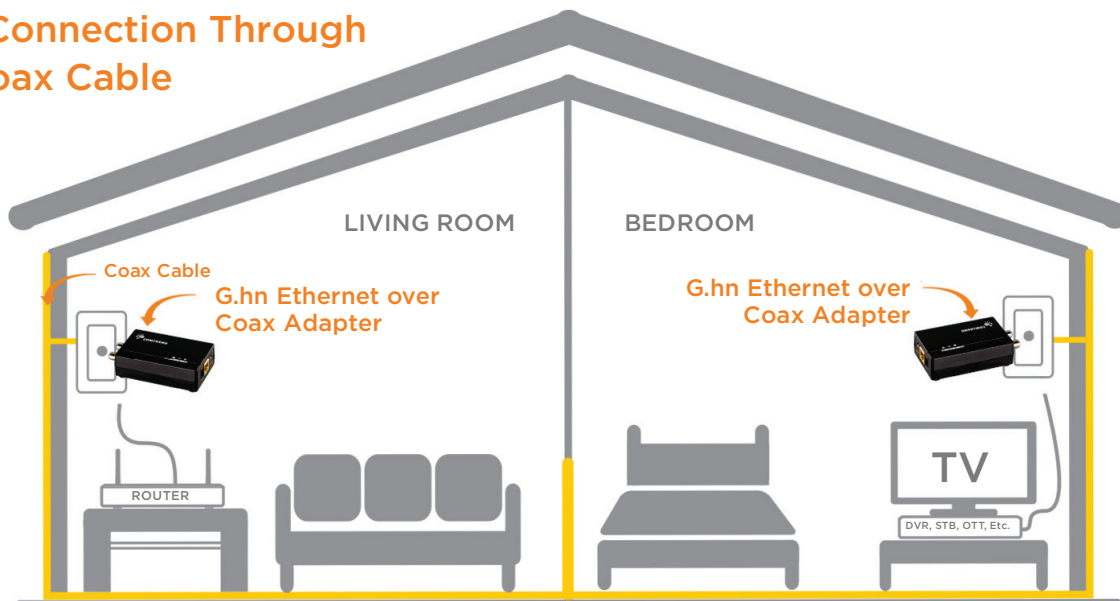
Existing coaxial cables are already installed throughout many homes and businesses. When these existing coaxial cables are NOT being used for passing Cable TV/Cable Internet services, these coaxial cables provide a perfect physical medium to create a high performing Internet connection. The combination 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 will coexist with most services such as Broadband, Satellite, and FTTx, however, it is not recommended in environments where Cable Services (Internet/TV) are being used.

Direct Connection Through Your Coax Cable

LIVING ROOM   BEDROOM

Coax Cable

G.hn Ethernet over Coax Adapter

G.hn Ethernet over Coax Adapter

ROUTER

TV

DVR, STB, OTT, Etc.

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.

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.

Enhances the Video Streaming Experience via G.hn
Forward Error Correction (FEC) technology is designed to improve video quality and minimize video lag.

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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