



## CES832N

### High Speed Ethernet to Coax Cable with build-in Wireless Bridge



The CES832N is based on the new G.hn technology offering Gigabit Ethernet to coax cables bridge with a build-in wireless WiFi 802.11n access point.

The G.hn technology is the HomePNA3 (HPNA3) successor, contributing better performances and more features. It can be used with xDSL/Cable modem/router type.

#### Why do you need it?

The CES832N adapter provides very high speed networking solution, with stable and reliable performances for the entire home area. The adapter is tuned to fulfill users demands for streaming multimedia content to PCs, SmartTV sets, streamers, video games, , Pads, smart-phones, etc`.

The CES832N is built to interconnect between Fast Internet modems/routers and Ethernet compatible devices through the existing/installed home phonelines, allowing fast Internet to expand to far end locations, such as safety rooms, basements, multi-floor apartments, etc. The CES832 is a direct accompanying device to the CES832N, offering Ethernet to coax cable bridge.

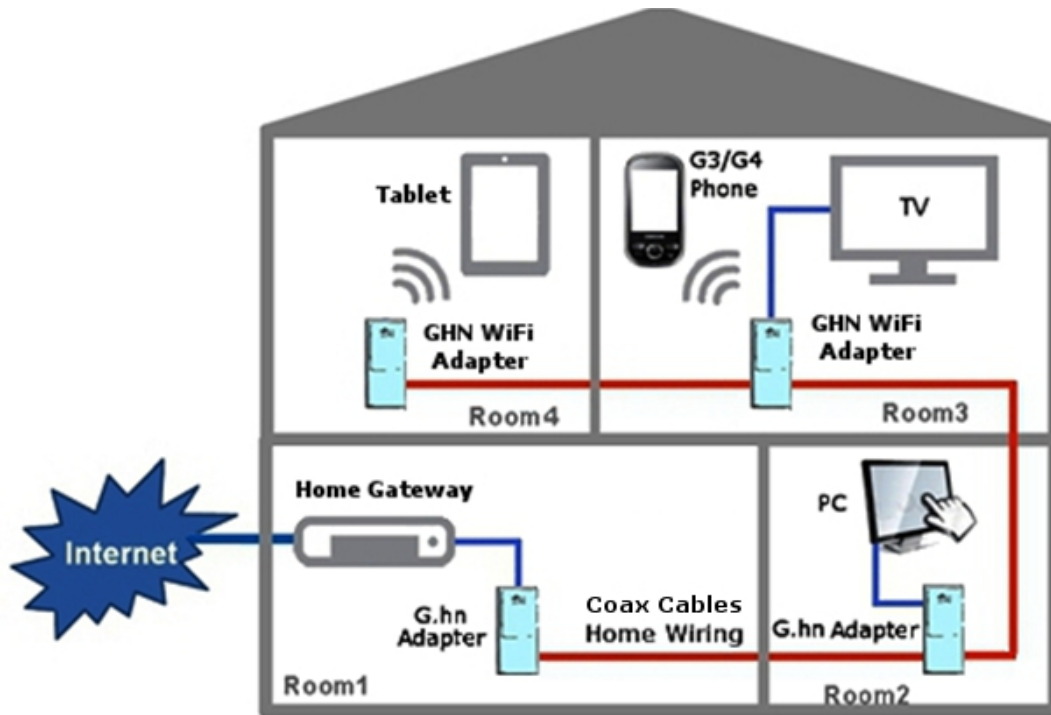
#### Easy to Install

The CES832N is a real Plug & Play device with endless networking possibilities over existing cabling. It is easy to install and activate, thus avoiding needs for driver installation or support by networking technicians. It is perfect for most data applications requiring high-speed Internet connections over broad bandwidth networks.

#### CES832N Main Features

- Perfect for transferring large multimedia files (e.g. movies, music, and photos)
- Dual Gigabit Ethernet port interface to support multimedia streaming applications
- Easy installation in multi-floor houses and in-house shelters/basements/safety-rooms.
- Plug & Play solution - no need for special configuration set-up tools
- Provides over 1Gigabit over coax cables, point-to-point and point-to-multipoint configurations
- Works with all kinds of modems: ADSL, VDSL, cable, etc`
- Communication range up to 600 meters over coax cables
- MIMO WiFi 802.11n (2Tx2R) at up to 300Mbps speed.
- Quality of Service (QoS) priority and mapping support
- IGMP snooping control
- Based on the International Telecommunication Union (ITU) G.hn standard's family
- Superb reliability and compact size design

## Practical Connection Diagram



## Technical Specifications

### Features

Protocol Standard

Transmission Speed & Range

Interface Ports

LED Indicators

Management and Control

WiFi Interface

Power Requirements

Environmental Conditions

Physical dimensions

Regulatory

Specifications are subject to change without notice.

### Descriptions

ITU g.hn standard (HomeGrid Organization)

Over Gigabit/sec ; up to 600meters

F-Type female connector for GHN line connection

F-Type female connector for TV connection

- 2 x RJ45 Fast 10/100/1000 Base-T Ethernet, Supports Auto-MDIX

- Power, Link Activity/Quality, Ethernet Activity

GUI and Web Browser

IPv4 & IPv6 support

- Queuing based on 802.1p/TOS
- Tag VLAN ID Tag/UnTag or pass Through
- IGMP Snooping Control
- Diagnostics

2.4GHz spectrum

Transmission power below 100mW

- Antenna gain about 3.3 dBi
- Supports all kind of WiFi security protocols
- External power supply 110/220VAC @ 50/60Hz to 12DCV

Operating temperature: -5 ~ 50 Deg. C

- Humidity: 10-95%, non-condensing

- L x W x H (mm): 99 x 70.5 x 45

- EMI/Immunity & Safety