



# PES822

## High Speed Ethernet to Phoneline Bridge



The PES822 is based on the new G.hn technology offering Gigabit Ethernet to phonelines bridge with a build-in wireless WiFi 802.11n access point.

The G.hn technology is the HPNA3 successor, contributing better performances and more features. It can be used with any kind of xDSL modem/router type.

### Why do you need it?

The PES822 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 PES822 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 PES822N is a direct accompanying device to the PES822, offering Ethernet to Phoneline bridge with build-in WiFi Router.

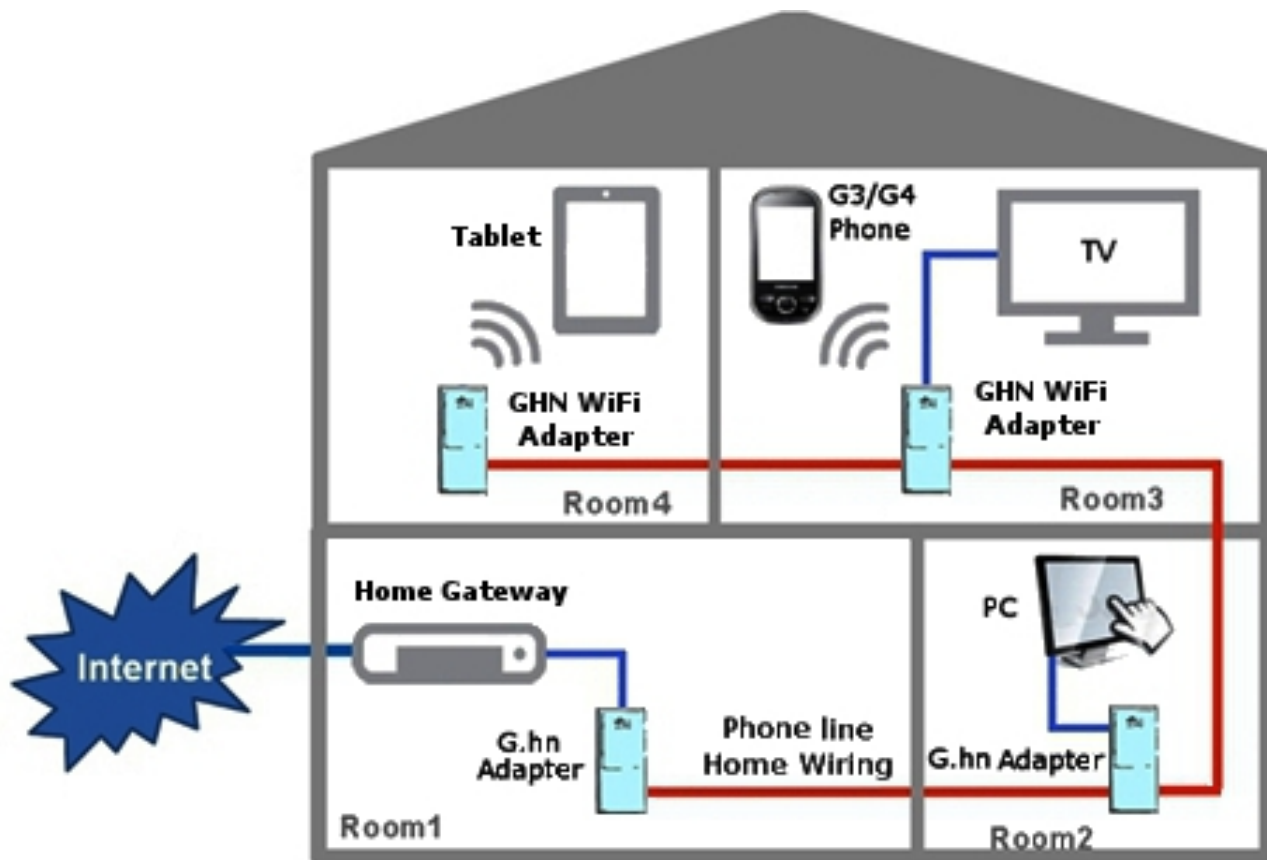
### Easy to Install

The PES822 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.

### PES822 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 up to Gigabit/sec over phoneline, point-to-point and point-to-multipoint configurations
- Works with all kinds of modems: ADSL, VDSL, cable, etc`
- Communication range up to 300 meters over phoneline
- 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

Power Requirements

Environmental Conditions

Physical dimensions

Regulatory

Specifications are subject to change without notice.

### Descriptions

ITU g.hn standard (HomeGrid Organization)

Up to 1Gbps ; up to 300 meters

RJ11 for line connection

RJ11 for xDSL modem/phone 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

- 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