PowerNet

PES822N

High Speed Ethernet to Phoneline and Wireless Bridge

The PES822N is based on the new G.hn technology offering Gigabit Ethernet to phonelines bridge with a building wireless access point in WiFi 802.11n technology.

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 PES822N 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 PES822N 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 PES822 is a direct accompanying device to the PES822N, offering Ethernet to Phoneline bridge.
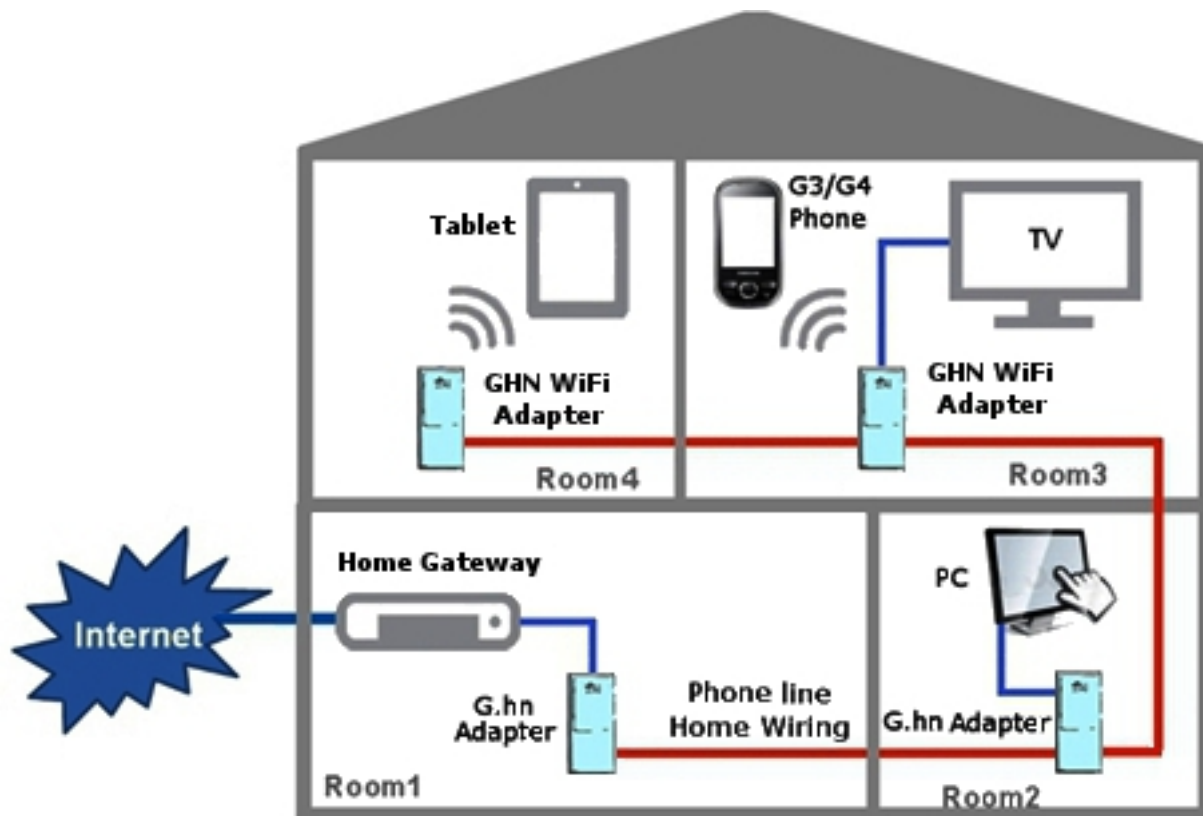
Easy to Install

The PES822N 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.

PES822NN 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 600 Mbps 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

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	Descriptions
Protocol Standard	ITU g.hn standard (HomeGrid Organization)
Transmission Speed & Range	Up to 600Mbps ; up to 300 meters
Interface Ports	RJ11 for line connection RJ11 for xDSL modem/phone connection • RJ45 Fast 10/100/1000 Base-T Ethernet
LED Indicators	• Power, Link Activity/Quality, Ethernet Activity
Fast Ethernet Port	One Gigabit Ethernet port (10/100/1000Mbps) Compliant with IEEE 802.3, IEEE 802.3u & IEEE 802.3x • Supports Auto-MDIX
WiFi Interface	2.4GHz spectrum Transmission power below 100mW • Antenna gain about 3.3 dBi • Supports all kind of WiFi security protocols
Power Requirements	• External power supply 110/220VAC @ 50/60Hz to 12DCV
Environmental Conditions	Operating temperature: -5 ~ 50 Deg. C • Humidity: 10-95%, non-condensing
Physical dimensions	• L x W x H (mm): 99 x 70.5 x 45
Regulatory	• EMI/Immunity & Safety

Product photo may differ from actual product; however the functionality remains as stated above.
Specifications are subject to change without notice.