# PLS812& PLS812ac

## High Speed Ethernet to Powerline Bridge family





The PLS812 products family is based on the new G.hn wave2 technology, offering Gigabit Ethernet to powerline bridge – PLS812, while PLS812ac is Gigabit to powerline bridge with build in WiFi 802.11ac Access Point.

#### Why do you need it?

The PLS812 adapters provide 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 PLS812 is built to interconnect between Fast Internet modems/routers and Ethernet compatible devices through the existing/installed home powerlines, allowing fast Internet to expand to far end locations, such as safety rooms, basements, multi-floor apartments, etc. The PLS812AC is a direct accompanying device to the PLS812, offering Ethernet to Powerline bridge with build-in WiFi Router.

#### Easy to Install

The PLS812 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.

#### PLS812 Family Main Features

Perfect for transferring large multimedia files (e.g. movies, music, and photos)

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

WiFi 802.11ac MIMO router supporting 300Mbps@2.4G and 860Mbps@5G - PLS812AC only

Works with all kinds of modems: ADSL, VDSL, cable, etc`

Communication range up to 300 meters over powerline

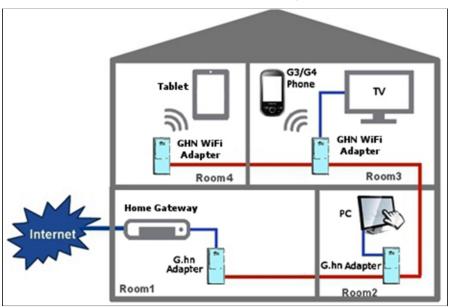
Quality of Service (QoS) priority and mapping support

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 powerline standard
Transmission Speed & Range	Up to 2Gbps (limited by regulation) ; up to 200 meters
GHN Spectrum	Limited by regulation: 2MHz ~ 30MHz (SISO for ISR)
Interface Ports	RJ45 Fast 10/100/1000 Base-T Ethernet, Auto-MDIX
LED Indicators	Power, Link Activity/Quality, Ethernet Activity, security WiFi – PLS812AC
Management and Control	GUI and Web Browser TR069 remote control IPv4 & IPv6 support Queuing based on 802.1p/TOS Tag VLAN ID Tag/UnTag or pass Through IGMP Snooping Control Diagnostics
WiFi Interface	<ul> <li>2.4GHz &amp; 5GHz concurrent bands</li> <li>Transmission power below 100mW</li> <li>Antenna gain about 3 dBi</li> <li>Supports all kind of WiFi security protocols</li> </ul>
Power Requirements	Standard home 110/220VAC @ 50/60Hz
Environmental Conditions	Operating temperature: 0 ~ 40 Deg. C • Humidity: 10-95%, non-condensing
Physical dimensions	• PLS812 - 53x89x36mm ; PLS812AC - 66x110x48mm
Regulatory	CE, FCC
Specifications are subject to change without r	notice.