

600M AV2 Powerline Ethernet Bridge



High-speed Data Transfer Rate

With advanced HomePlug AV2 technology, PLANET PL-802 Powerline Ethernet Bridge provides users with a stable, high-speed data transfer rate of up to 600Mbps over a powerline length of up to 300 meters. Therefore, the PL-802 can transmit multiple HD streams and even Full HD movies to every room, making it a great choice for easily building a multimedia entertainment network.



High Throughput Performance for Multi-stream Networking

PLANET continues to innovate on the success of powerline AV to deliver even better performance at higher speeds. The PL-802 compliant with Homeplug AV2 specification was released for next-generation powerline networking. It's now faster than ever to handle the most demanding online services and applications. The convergence of voice, video and data within a variety of multi-function devices and new applications, merged with Smart Home applications or the Internet of Things (IoT), is driving the need for increased high throughput connectivity throughout the home while assuring a high level of reliability and sustained performance.

Full interoperability with other Powerline Ethernet Bridges

The AV2 powerline maintains full interoperability with other PLANET connected home technologies in order to facilitate a simple migration to next-generation powerline certified products. This is a key benefit, as the PL-802 enables users to connect with the HomePlug certified consumer electronics or networking products for internet access in homes without hassle.

Complying with IEEE LAN Standards & HomePlug AV2

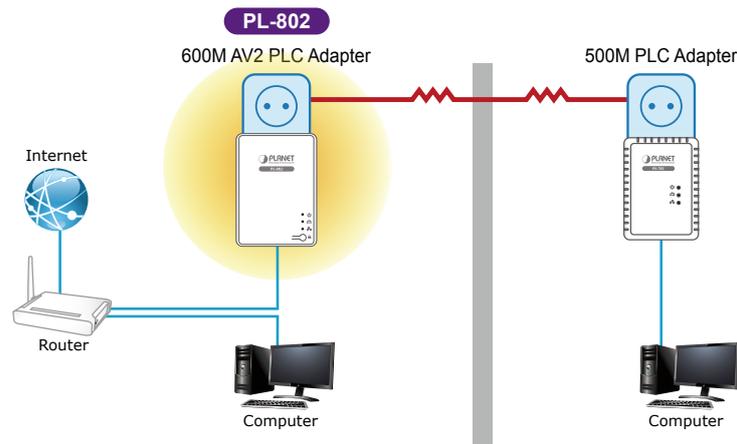
- Designed for high-definition multimedia streaming
- Data rate up to 600Mbps and distance up to 300 meters over existing electrical wiring
- IEEE 802.3, IEEE 802.3u, IEEE 1901 and HomePlug AV2 compliant
- Backward compatible with HomePlug AV2 (300Mbps) including PLANET Powerline products
- Equipped with 10/100Mbps RJ45 ports for LAN and WAN

Secure Network Connection

- Plug-and-Play installation in minutes; converts any power socket into a wired connection point
- Simple push-button setup with sophisticated data encryption; 128-bit AES encryption for network protection enhancement.

Easy Installation and Management

- Creates a high-speed network connection throughout your home without the mess of cables
- Easy-to-use utility for powerline network management
- Up to 7 slaves with 1 master, 8 devices in total and max. 8 bridged devices per station
- Green technology applied to help conserve energy when no data link is detected
- TDMA and priority-based CSMA/CA channel access schemes maximize efficiency and throughput



Securing Network Connection with the Touch of a Button

Simply by pressing the button on the PL-802, users can easily set up a hassle-free, secure Powerline network within minutes. It provides 128-bit AES encryption for network security and data protection.



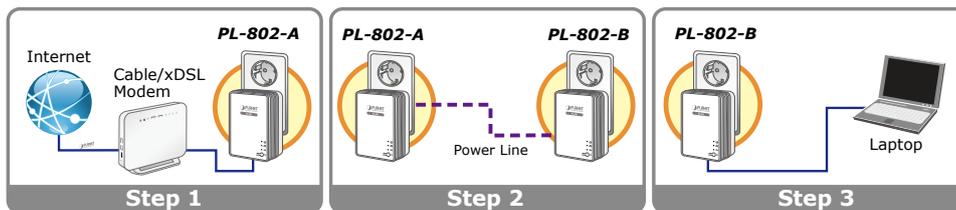
128-bit AES Encryption for Network Security and Data Protection

Getting Started is as Easy as 1-2-3

1. Connect one Powerline Ethernet Bridge to your xDSL or cable modem's Ethernet port and plug it into the nearest power socket.
2. Plug in the second Powerline Ethernet Bridge in your room or office.
3. Connect the PC/Laptop to the Powerline Ethernet Bridge via the network cable.

Users immediately have access to the Internet through the PC or laptop.

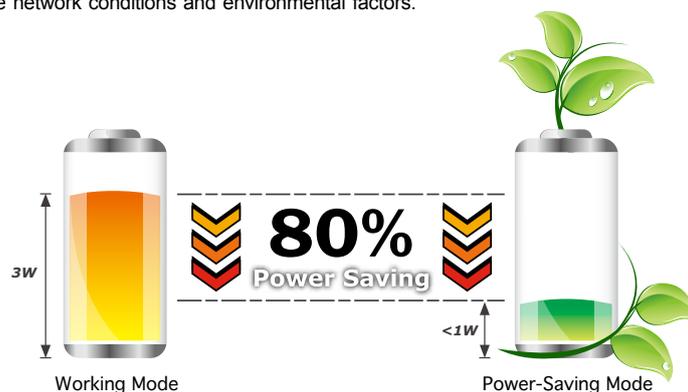
Quick & Easy Connection



Reducing Power Consumption

The PL-802 consumes less power when compared with the existing Powerline Ethernet Adapters. Moreover, when there is no Ethernet link, the PL-802 will automatically switch to the "Power-saving" mode that would reduce energy wasting by over 80%* when compared with the adapters without this feature.

*Actual data will vary depending on the network conditions and environmental factors.



Efficient Bandwidth Management by QoS (Quality of Service)

Quality of Service (QoS) is provided by the PL-802 enabling a network to provide better service to selected network traffic over various technologies.



Quality of Service(QoS)
Ensure the quality of bandwidth sensitive applications

Applications

High-speed Ethernet Connection via Home's Powerline

PLANET provides several types of powerline products to meet various demands on Internet access sharing at home. As illustrated, users may connect an IP STB to the PL-802 Nano Powerline Adapter, or connect a PC to the PL-802 in the house freely. With PLANET powerline products applied, no messy network cables and additional switches are required at home, and users can entirely enjoy home broadband network from now on.



Specifications

Product	PL-802
Hardware Specification	
Network Interface	One RJ45 port (10/100BASE-TX Ethernet)
Cabling	Cat. 5 UTP cable
LED	Power: On/Off Ethernet: Red/Orange/Green/Off Data: Solid/Blinking/Off
Button	One Security/Reset button
Standards Conformance	
Computer Interface	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
Powerline Standards	IEEE 1901/HomePlug AV2
Security	128-bit AES link encryption with key management
Data PHY Rate	600Mbps over Powerline and 10/100Mbps over Ethernet
Modulation	OFDM (QAM 8/16/64/256/1024, QPSK, BPSK, ROBO)
Frequency Band	2~68 MHz (with mask)
Access Methods	TDMA and priority-based CSMA/CA channel access
Distance	AC Wire: 300 meters
Software Utility	Device detect/diagnostic, Windows 2000, XP, Vista, Windows 7, Windows 8 and Windows 10
Operating	Temperature: 0~45 degrees C Relative Humidity:10~90% (non-condensing)
Storage	Temperature: -20~60 degrees C Relative Humidity: 5~90% (non-condensing)
Power Supply	100~240V AC, 50~60Hz
Dimensions (W x D x H)	78 x 56 x 29 mm
Weight	96g
Emission	CE, LVD

Ordering Information

PL-802-KIT-EU	600M AV2 Powerline Ethernet Bridge
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Related Products

PL-502P	200M Powerline + 802.3af PoE Power Adapter
PL-510W	200M Powerline Wireless N Extender
PL-751	500M Powerline Pass-Through Ethernet Bridge
PL-702-KIT-EU	500M Nano Powerline Ethernet Bridge Kit (Two Devices Pack, EU type)
WRE-1200	1200Mbps 802.11ac Dual Band Wall Plug WiFi Range Extender