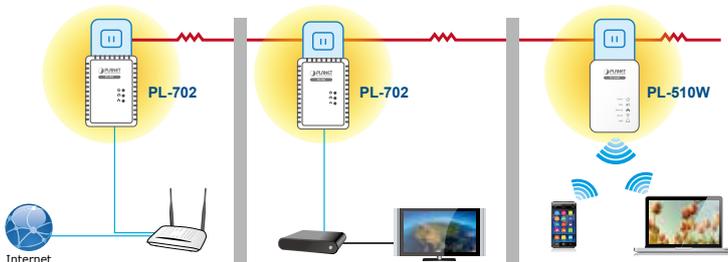


500M Nano Powerline Ethernet Bridge



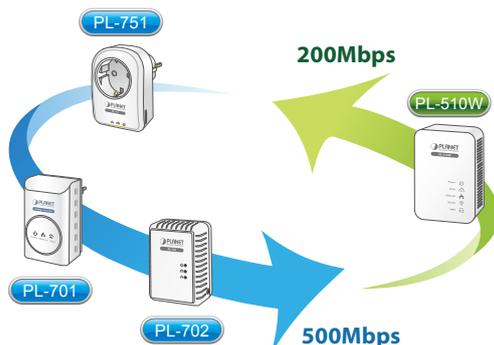
High-speed Ethernet Connection via HomePlug Powerline

With advanced HomePlug AV technology, PLANET PL-702 Nano Powerline Adapter extends a high speed up to 500Mbps in-house Ethernet connection to any power outlet. With hassle-free plug and play installation, it enables users to plug a pair of powerline adapters into the house power outlets, and then can easily enjoy high definition video streaming and network transmission. No more tripping over tangled, messy wires running through your house, the PL-702 is an ideal solution to creating a wall-to-wall home network.



Data Transfer Rate up to 500Mbps and Distance up to 300-meter Wiring

The PL-702 provides users with stable, high-speed data transfer rates up to 500Mbps on electric powerline length up to 300 meters with HomePlug AV technology. Therefore, the PL-702 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.



PLANET 500M Powerline Series is compatible with PLANET 200M Powerline Series.

IEEE Compliant HomePlug AV & LAN

- Designed for high-definition multimedia streaming
- Data rate of up to 500Mbps within wiring of 300 meters over existing electrical wiring
- IEEE 802.3, IEEE 802.3u, IEEE 1901 and HomePlug AV standard compliant
- Backward compatible with HomePlug AV (200Mbps) including PLANET Powerline products
- Equipped with 10/100Mbps RJ-45 Ports for LAN/WAN, Auto MDI/ MDI-X supported

Secure Network Connection

- Plug-and-Play installation, 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 & 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 16 Powerline Network Adapters can communicate on a single network
- 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 Just with the Touch of a Button

Simply by pushing the security button on the PL-702, 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.

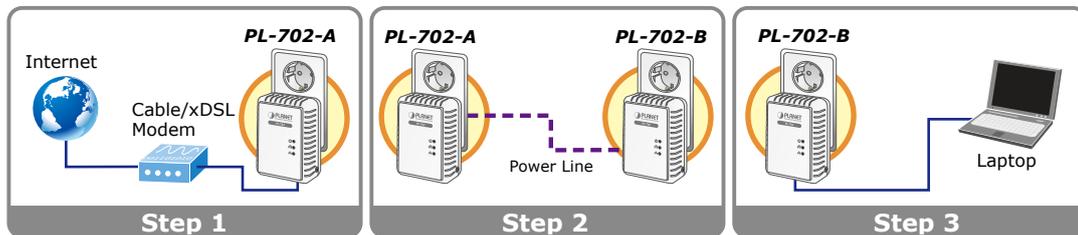


**128-bit AES Encryption for
Network Security and Data Protection**

Getting started is as easy as 1-2-3

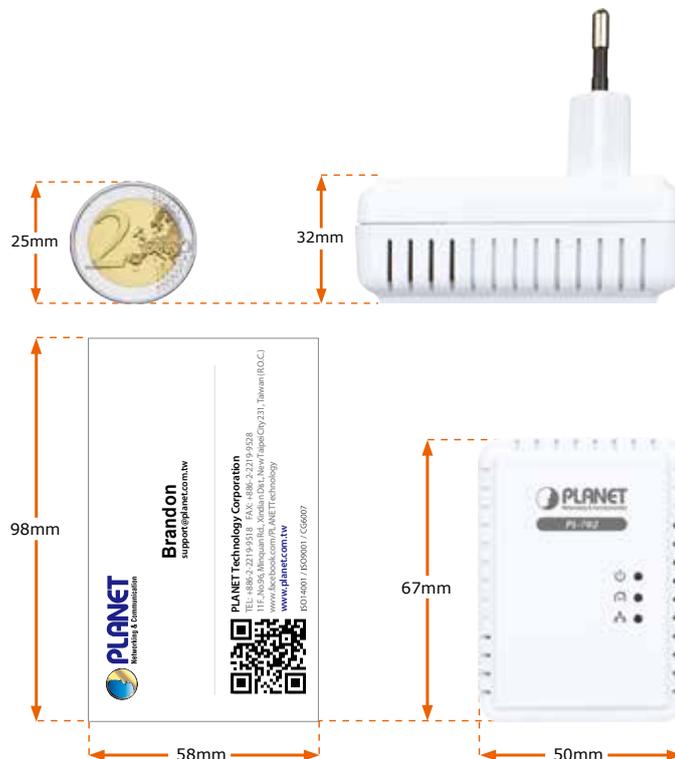
1. Connect one Powerline Ethernet bridge to your ADSL or cable modem's Ethernet port and plug it into the nearest power socket.
 2. Plug in the second Powerline Ethernet Bridge in your room or office.
 3. Connect the PC via the network cable to the Powerline Ethernet Bridge.
- Then users can enjoy home broadband network right away.

Quick & Easy Connection



Compact Nano-design Matches Nicely with any Surrounding

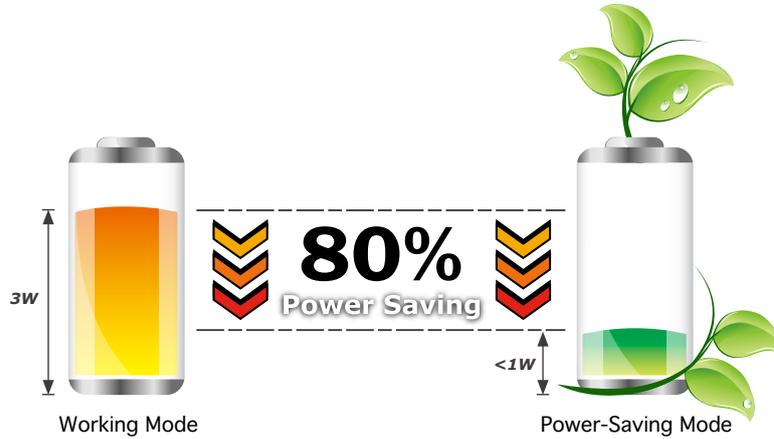
With dimensions of 67 (W) x 50 (D) x 32 (H) mm only, the PL-702 features a super compact and sleek design that blends in nicely with any surrounding at home or office.



Reducing Power Consumption up to 80%

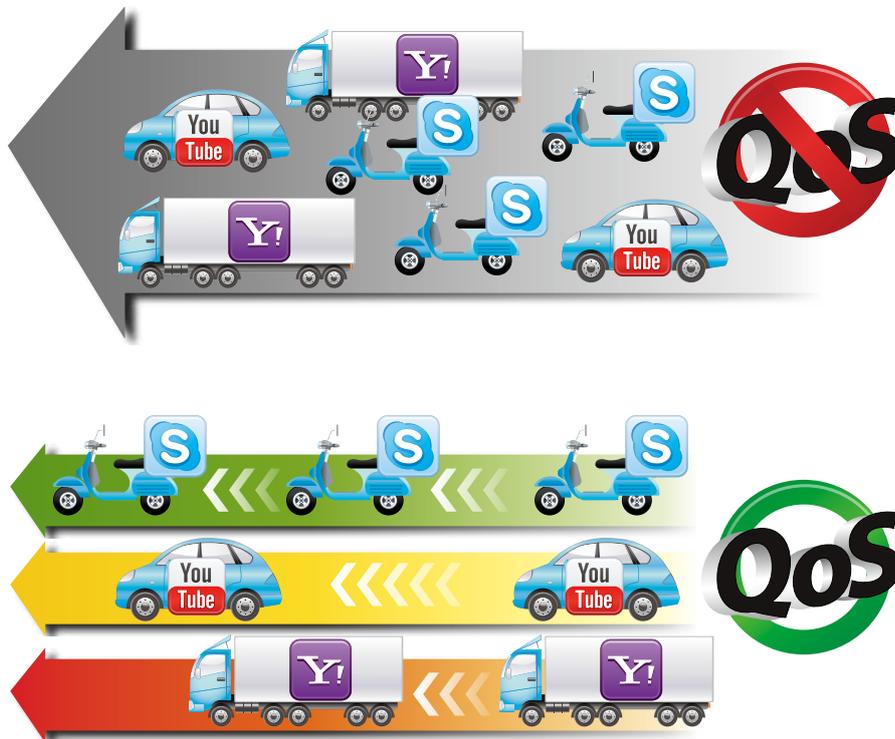
With green technology applied, the PL-702 consumes less power when comparing to the existing Powerline Ethernet Adapters. Moreover, when there is no Ethernet link, the PL-702 will automatically switch to the "Power-saving" mode that would reduce energy wasting for over 80%* when compared to the adapters without this feature.

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



Efficient Bandwidth Management by QoS

Quality of Service (QoS) is provided by the PL-702 to guarantee the priorities of data traffic's bandwidth even with other bandwidth intensive applications such as VoIP, IPTV, video streaming or online gaming running on the same network, thus improving its network efficiency.



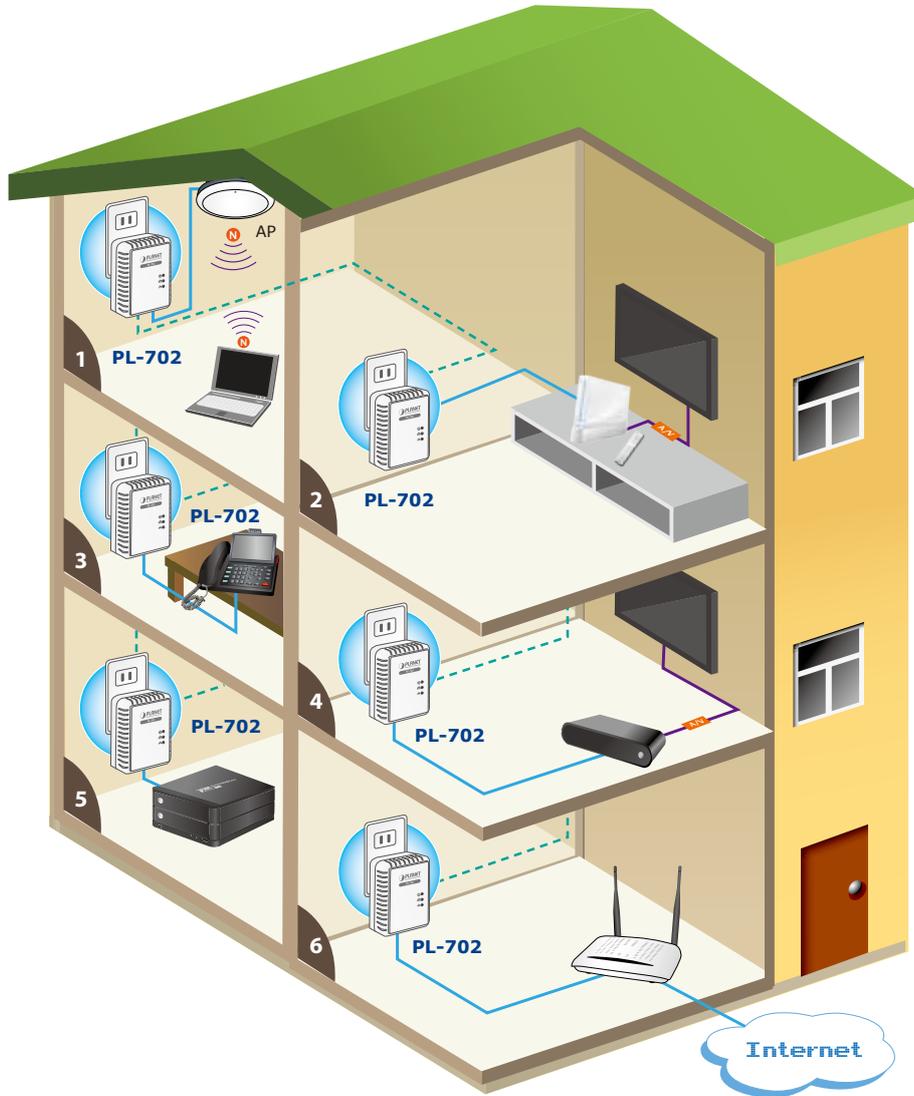
Quality of Service(QoS)

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-702 Nano Powerline Adapter, or connect a PC to the PL-702 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.



- ① Wireless Extender
- ② Online Gaming
- ③ VoIP
- ④ IPTV/VOD
- ⑤ Data Storage Sharing
- ⑥ Broadband Networking



Specifications

Model	PL-702
Hardware Specifications	
Network Interface	One RJ-45 port (10/100BASE-TX Ethernet) One 500Mbps powerline port supporting co-existence with HomePlug 1.0 (14/85Mbps)
Cabling	Cat. 5 UTP cable
LED	Power: On / Off Ethernet: Red / Orange / Green / Off Data: Solid / Blinking / Off
Button	One Pair / Reset button
Standards Conformance	
Computer Interface	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
Standards	IEEE 1901 / HomePlug AV
Security	128-bit AES link encryption with key management
Data PHY Rate	500Mbps over powerline and 10/100Mbps over Ethernet
Modulation Schemes	OFDM symbol modulation on line synchronization 1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO carrier modulation
Frequency Band	2 ~ 50MHz
Additional Protocols	Mix of TDMA and CSMA/CA channel access scheme; CO device generates a periodic beacon carrier for channel access scheme
Operation Range	Estimated range of 300 meters in wall powerlines
Software Utility	Device detect / diagnostic, Windows 98 SE, ME, 2000, NT, XP, Vista, and Window 7
Environment Specifications	
Operating	Temperature: 0~40 degrees C Relative Humidity: 10~90% (non-condensing)
Storage	Temperature: -20~70 degrees C Relative Humidity: 5~95% (non-condensing)
Power Supply	100~240V AC, 50~60Hz internal
Housing Dimensions (W x D x H)	Plastic (67 x 50 x 32 mm)
Weight	72 g
Emission	FCC, CE, LVD

Ordering Information

PL-702-EU	500M Nano Powerline Ethernet Bridge (EU type directly-attached)
PL-702-UK	500M Nano Powerline Ethernet Bridge (UK type directly-attached)
PL-702-US	500M Nano Powerline Ethernet Bridge (US type directly-attached)
PL-702-KIT-EU	500M Nano Powerline Ethernet Bridge KIT (Two Devices Pack, EU type)
PL-702-KIT-UK	500M Nano Powerline Ethernet Bridge KIT (Two Devices Pack, UK type)
PL-702-KIT-US	500M Nano Powerline Ethernet Bridge KIT (Two Devices Pack, US type)

Related Products

ITB-3001	High Definition IP Set-Top Box
NAS-7103	1-Bay SATA NAS Server
NVR-915	9-Ch Network Video Recorder
PL-510W	200M Powerline Wireless N Extender
PL-751	500M Powerline Pass-through Ethernet Bridge
WNAP-C3220	300Mbps 802.11n Wireless Ceiling Mount Range Extender