

Powerline Ethernet Bridge (direct-attached)



Turn your home or office powerline network to 14Mbps Local Area Network. Use PLANET's powerline communication product, PL-104E, your power outlets are no longer regarded simply as power receptacles of network connection point. Powerline is the most pervasive medium with multiple outlets in every room. Simply by plugging the Ethernet of your computer into PL-104E equipped power outlet, you are allowed to place a computer anywhere at home or small office with flawless and seamless high-speed network connection.

The PL-104E is a Powerline to Ethernet bridge with a 10base-T RJ-45 Ethernet interface for directly connecting to an Ethernet card of a computer, or existing Ethernet switch, hub or broadband router. It provides a power plug for directly connecting to wall outlet. Security of PLANET's Powerline communication technology is ensured by using 56-Bit DES encryption - the same system frequently used to protect banking systems all over the world, and is interference-free, to avoid the problems of wireless systems.

KEY FEATURE

- Power adapter form factor for directly attaching to power outlet
- Fully comply with HomePlug Powerline Alliance Specification 1.0
- Up to 14Mbps bandwidth on powerline interface
- Up to 90 meters between powerline nodes
- 56-Bit DES encryption to ensure data security and reliability
- Easy to use Windows-based security key configuration utility
- Easy to read LED indicators
- Support CSMA/CA protocol on power line interface

SPECIFICATION

Product	Powerline Ethernet Bridge (direct-attached)	
Model	PL-104E	
Standard	HomePlug 1.0 IEEE 802.3 10 Base-T	
Ports	One RJ-45 Port	
Cabling type	Powerline Ethernet	Direct attached to power outlets UTP Cat 5 or above cable
Speed	UP to 14Mbps	
Encryption	56-Bit DES encryption	
LED	PLC: LNK, ACT, COL ETH: LNK/ACT	
Powerline Frequency Band	4.3Mhz to 20.9Mhz	
Dimension (L x W x H)	65 x 93 x 78 mm	
Weight	230 g	
Certifications	FCC, CE	
Operating Temperature	0 ~ 50 Degree C	
Operating Humidity	0 ~ 90% (non-condensing)	

APPLICATIONS

PLANET provides several types of powerline products to meet various demands. As illustrated, a notebook with a built-in USB interface and NIC can connect to PL-104E or PL-104U freely, and roam in the house. Apply an ADSL modem or broadband router to one of the Powerline to Ethernet bridges, and all computers can share the Internet connection. With the PLANET Powerline products, no messy network cables and additional switches are required at home, and users can entirely enjoy home networking from now on.


ORDERING INFORMATION

PL-104E-EU	Powerline Ethernet Bridge (direct-attached)
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