

# **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

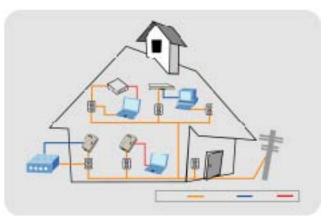


### **SPECIFICATION**

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	Direct attached to power outlets
	Ethernet	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)



 PLANET Technology Corporation

 11F, No. 96, Min Chuan Road, Hsin Tien, Taipei, Tawian R.O.C.

 Tel: 886-2-2219-9518
 Fax: 886-2-2219-9528

 Email: sales@planet.com.tw
 www.planet.com.tw

 VoIP Gateway: vip.planet.com.tw
 www.planet.com.tw



02-06 rves the right to change specifications without prior notice. All brand names and e owners. Copyright©2006 PLANET Technology Corp. All rights reserved.