

# ZyXEL



## Power Up Your Network

- Up to \*85Mbps-Equivalent Data Rate over Existing Power Line
- HomePlug 1.0 Certified
- 56-bit DES Protection for Secure Data Transmission
- Stylish Desktop Design with Universal Power Cord



### Benefits

#### Extended LAN Solution through Power Lines

The ZyXEL Powerline is an extended access solution that allows your house to be completely networked with existing power lines. With no need for additional wiring, simply connect the ZyXEL HomePlug PL-100 to an existing power socket, and it will transform your electrical power lines into a house-wide network infrastructure. It's the easy way to allow data and power to share the same power socket.

#### High Transmission Rate of up to 85Mbps

Powered by HomePlug Turbo Technology, the ZyXEL PL-100 can achieve data rates of up to 85Mbps. The power line solution allows users surf the web, access e-mail, and deliver large files easily and safely using high-speed Power Line connections.

#### Advanced 56-bit DES Security Protection

With 56-bit Data Encryption Security (DES) capability, the PL-100 provides secure Internet access and allows file and peripheral sharing. Now you can surf the Internet from any room in your home through the network over existing power lines.

#### Easy Installation

No new wiring is required. The ZyXEL PL-100 is an Ideal solution for residential users requiring LAN extension without laying new cables. Simply plug the ZyXEL PL-100 into a power socket to access the in-house Internet or PC network.

Powerline Ethernet Adapter

PL-100



# HOMEPLUG



## Specifications

### System Specifications

- Network Standard: HomePlug Turbo 85Mbps data rate compliant
- Powerline Network
  - Supports up to 16 (Tone Map) PL- devices communicating on a single network
  - Each Powerline Ethernet adapter supports 15 remote Ethernet addresses. With total 4 groups then it can support up to total 64.
- Modulation
  - OFDM Symbol Modulation,
  - Supports QAM 256/64/16, DQPSK, DBPSK and ROBO Carrier modulation schemes
- Frequency Band: 4.3MHz ~ 20.9MHz
- Coverage Area: up to 300 meters/984 feet
- Security: 56-bit DES with Key Management

### Hardware Specifications

- Interface: RJ-45 compatible
- LED Display
  - PWR: Power-Light Locate on Top-Case
  - LINK: Power-Line Link/ACT Locate on Top-Case
  - ETHN: LINK/ACT Locate on Top-Case
- Power Input: 100 ~ 240VAC, 50 ~ 60Hz, 0.05A

### Physical Specifications

- Dimensions: 112(W) x 106(D) x 28.5(H) mm
- Weight: 185.8g

### Environmental Specifications

- Operating Temperature: 0°C ~ 45°C
- Humidity: 10% ~ 90% (non-condensing)

### Certification

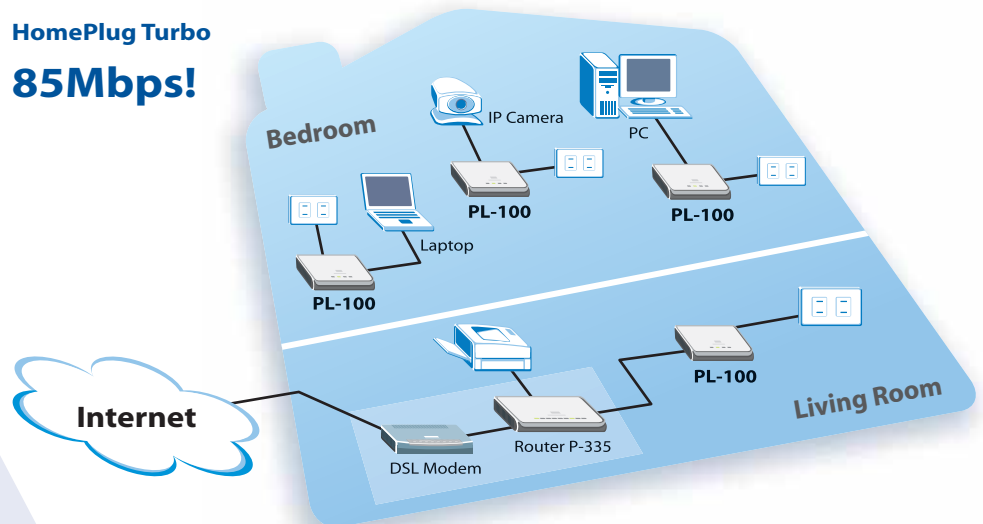
- FCC, CE, HomePlug Certification

\*\* 85Mbps is the data rate in theory. Actual throughput depends on interference in your household power circuit and the quality of the electrical installation.

## Application Diagram

Link your Ethernet-equipped desktop and devices over your existing, standard electrical wiring with ZyXEL PL-100, powered by the HomePlug Turbo.

### HomePlug Turbo 85Mbps!



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)

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