ZyXEL

Power Up Your Network

200Mbps
HomePlug

- **Throughput of Up to 200 Mbps over the Power Line**
- **Protect Network with Advanced 128-bit AES Security**
- **No Other Cable Required**
- **HomePlug AV Compliant**

Benefits

Data Transmission Rates of Up to 200Mbps

ZyXEL's Powerline Series is an access extension solution to have your house completely networked with existing power lines. Thanks to the advanced HomePlug AV Technology, the PLA-400 is capable of transmitting data at up to 200Mbps. It allows you to share network resources and enjoy Internet access through secure high-speed data connection over the house power lines you already have.

High-Bandwidth and Advanced QoS for Audio-Video Applications

The inherent advanced QoS features of HomePlug AV make the PLA-400 an ideal solution for in-home distribution of HDTV and VoIP streams. HomePlug AV is designed to support the high-bandwidth and low-latency demands of several simultaneous streams of video, audio and data.

Advanced 128-bit AES Security Protection

With the 128-bit Data Encryption Security (AES) feature, the PLA-400 provides secure network connection for Internet access and network resource sharing. Just enjoy fast Internet surfing experience and secure file transfer and leave the sweats to the PLA-400.

Powerline Ethernet Adapter

PLA-400

HOMEPLUG

ZyXEL

Specifications

System Specifications

- HomePlug AV 200 Mbps data rate compliant
- Supports up to 64* Powerline devices communicating on a single network
- Modulation:
  - OFDM Symbol Modulation
  - Supports QAM 256/64/16, DQPSK, DBPSK and ROBO Carrier modulation schemes
  - Frequency Band: 2 MHz ~ 30 MHz
- Coverage Area: up to 5000 square feet
- Security: 128-bit AES encryption protect the Powerline network

Hardware Specifications

- Interface: One RJ-45 Ethernet Port
- One Power Input: 100-240 VAC, 50 ~ 60 Hz, 0.08 A
- LED Display on Top-Case
  - PWR: Power-Light
  - LINK: Power-Line Link/ACT
  - ETHN: Network connected/non-connected

Physical Specifications

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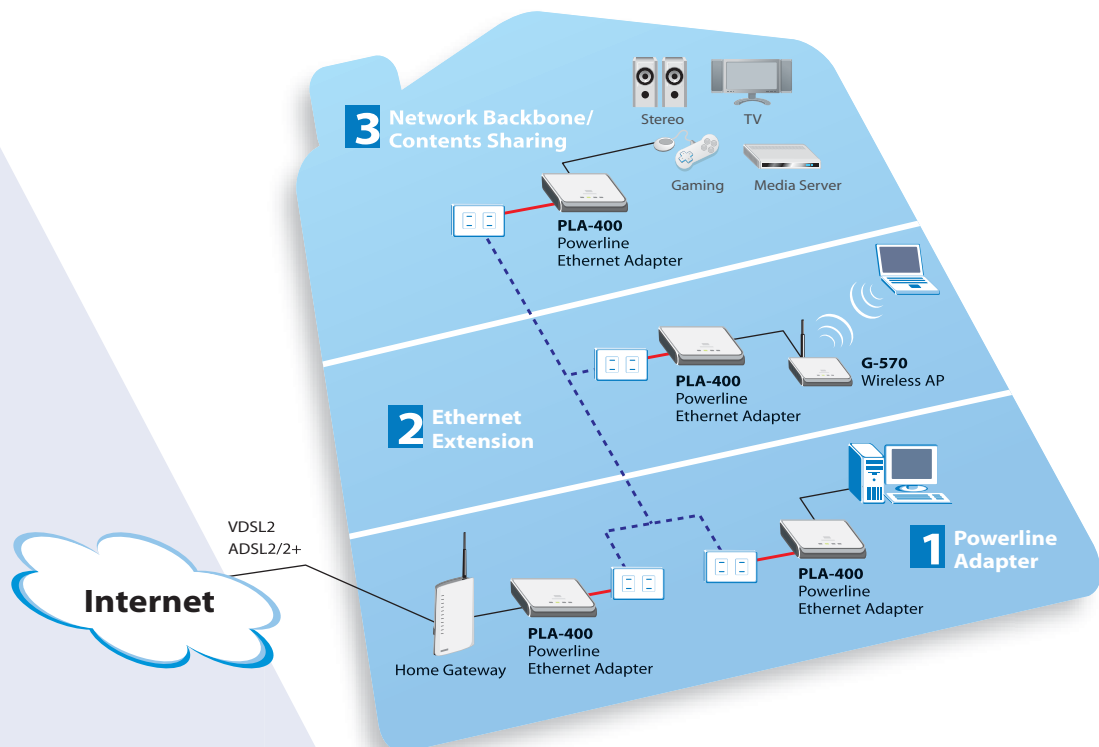- Weight: 185.8 g

Environmental Specifications

- Operating Temperature: 0ºC ~ 45ºC
- Humidity: 10% ~ 90% Non-condensing

Certification

- FCC, CE, UL, LVD

Now can support 16 devices on a single network, will support 64 devices by firmware upgradeable for future enhancement

Application Diagram

3 Network Backbone/ Contents Sharing

Stereo   TV

Gaming   Media Server

PLA-400 Powerline Ethernet Adapter

G-570 Wireless AP

PLA-400 Powerline Ethernet Adapter

2 Ethernet Extension

VDSL2 ADSL2/2+

Internet

1 Powerline Adapter

PLA-400 Powerline Ethernet Adapter

Home Gateway   PLA-400 Powerline Ethernet Adapter

For more product information, visit us on the web www.ZyXEL.com

65-100-040004G   10/06