ZyXEL

3-in-1 Wireless HomePlug AV Router

200Mbps
HomePlug

- **Throughput Up to 200 Mbps over Power Lines**
- **Configurable Powerline for Internet or Home Network Connections**
- **Advanced 128-bit AES Security Network Protection**
- **Super G Technology Offers the Optimal Wireless Range and Performance of Data Rate Up to 108 Mbps**
- **HomePlug AV Compliant**

Benefits

No New Wire Required for House-Wide Network

ZyXEL NBG-318S features both wireless and HomePlug AV connectivity.

You can always connect to the Internet wirelessly, even on some spots that couldn't be reached by the wireless network. With existing power lines, reliable connection can be provided through wall plugs.

Now you can plan your home network, use the power lines as the network backbone, and then deploy the NBG-318S as the broadband extender to reach every corner in the house.

Data Transmission Rates of Up to 200 Mbps

The NBG-318S is an extension solution for your house to be completely networked with existing power lines. Thanks to the advanced HomePlug AV technology, the NBG-318S is capable of transmitting data at up to 200 Mbps. 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 Speed and QoS for High Definition Video Streams

The inherited advanced QoS features make the NBG-318S ideal access tool for service providers to deliver "triple play" multimedia services such as high-quality digital video streams, high-speed Internet access and voice services.

802.11g Wireless HomePlug AV Router

NBG-318S

108 Mbps 2.4GHz 802.11 g | 200 Mbps HomePlug AV | WPA 2 Security | QoS Media Streaming | AV HOMEPLUG Designed for HomePlug AV

GATEWAY

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Advanced 128-bit AES Security Protection

With the 128-bit Data Encryption Security (AES) feature, the NBG-318S provides secure network connection for Internet access and resource sharing. Just leave the sweats to the NBG-318S, sit back and enjoy the fast surfing experience as well as secure file transfer over the Internet.

High Speed Wireless Access

Taking advantage of ZyXEL's Wireless Super G Technology, users can achieve data rates of up to 108 Mbps, which doubles the speed of the conventional 802.11g standard. With the astounding performance, users can handle the fast data transfer for streaming applications like video or audio broadcasting effortlessly.

Specifications

System Specifications

- MBM v2 with Automatic Traffic Classifier
- Powerline as WAN or LAN port
- PPPoE/DHCP/PPTP with MS CHAP v1/v2
- Logging
- Web configurator
- Many to one NAT
- SIP ALG
- DOS/DDOS SPI Firewall
- Port Triggering
- DDNS
- WPA/WPA2 support
- 802.11e/WMM

Hardware Specifications

- 3-port 10/100 Mbps Ethernet port with MDI/MDIX as LAN
- 1-port 10/100 Mbps Ethernet port with MDI/MDIX as WAN
- One Power Input: 100-240 VAC, 50 ~ 60 Hz
- LED Display on Top-Case
  - Power
  - Powerline Link and Activity
  - Ethernet LAN Link and Activity
  - Ethernet WAN Link and Activity
  - Wireless LAN Link and Activity
  - Security Status

Physical Specifications

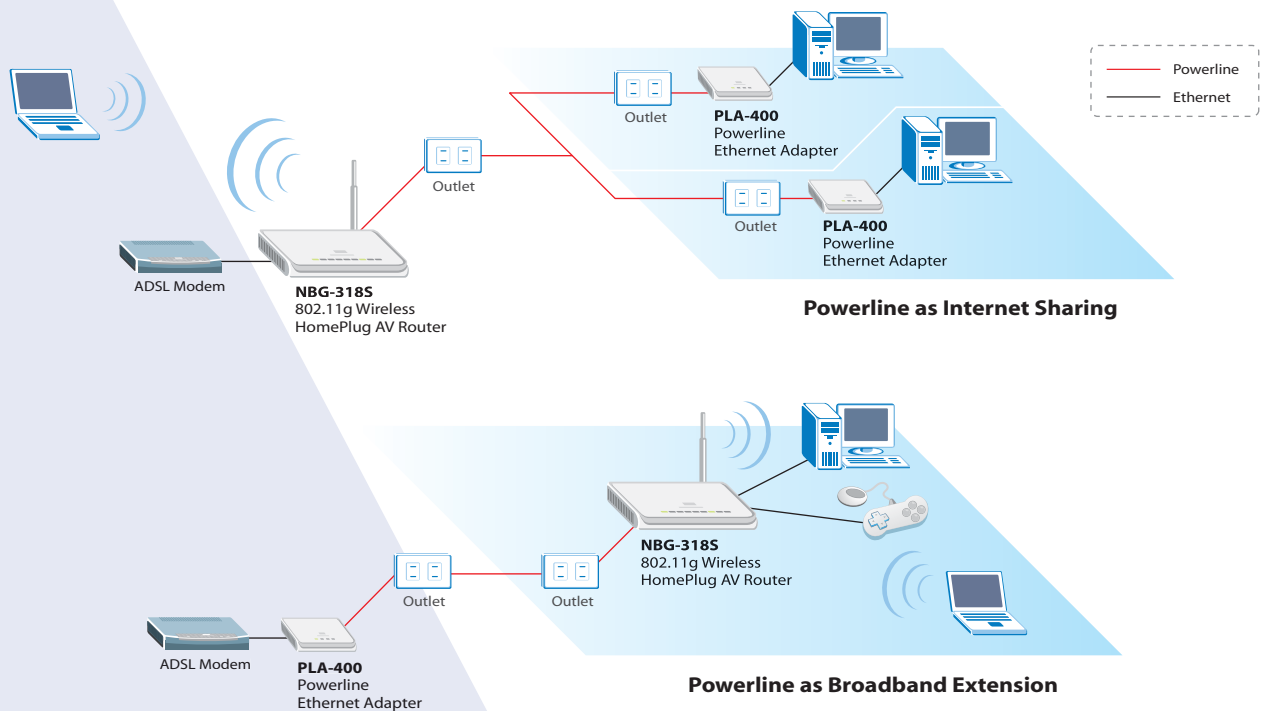- Dimensions: 162 (W) x 117.35 (D) x 39.4 (H) mm
- Weight: 185 g

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Storage temperature: -30°C ~ 70°C
- Operating humidity: 20% ~ 90% RH
- Storage humidity: 20% ~ 90% RH

Certification

- Safety: CSA international
- EMI: CE, FCC part 15B
- HomePlug Certification: HomePlug AV
- Wi-Fi

Application Diagram

Powerline as Internet Sharing

Powerline as Broadband Extension

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

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Ubiquitous Home Networking with a Simple Plug

200Mbps HomePlug

- **Up to 200 Mbps Throughput over the Power Lines**
- **Advanced 128-bit AES Network Security**
- **No Wiring and Cabling Required**
- **HomePlug AV Compliant**
- **Simple Direct Plug Design**

Benefits

Data Transmission Rates of Up to 200 Mbps

ZyXEL's Powerline Series is an access extension solution to completely network your house with existing power lines. Thanks to the advanced HomePlug AV technology, the PLA-401 is capable of transmitting data at up to 200 Mbps. It allows you to share network resources and enjoy Internet access through secure high-speed data connections over the house power lines you already have.

High Speed and QoS for High Definition Video Streams

The inherent advanced QoS features of HomePlug AV Series are ideal for service provider to deliver "Triple play" multimedia services such as high-quality digital video streams, high-speed Internet access, as well as voice services.

Advanced 128-bit AES Security Protection

With the 128-bit Data Encryption Security (AES) feature, the PLA-401 provides secure network connection for Internet access and network resource sharing. You may sit back to enjoy fast Internet surfing experience and secure file transfer while leaving the hassles to the PLA-401.

Powerline Ethernet Adapter

PLA-401

HOMEPLUG

ZyXEL

Specifications

System Specifications

- Network Standard:
  HomePlug AV 200 Mbps compliance Data Rate
- Power Line Network:
  Supports up to 16 (Tone Map) Powerline 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 1024/ 256/64/16, DQPSK, DBPSK and ROBO Carrier modulation schemes
- Frequency Band: 1.7 MHz ~ 30 MHz
- Coverage Area: up to 300 meters
- Security: 128 bit AES encryption

Hardware Specifications

- Interface: One RJ-45 Ethernet Port
- One Power Input: 100-240 VAC, 50/60 Hz
- Plug Type: EU, US, UK

- LED Display on Top-Case
  - PWR: Power-Light
  - LINK: Power-Line Link/ACT
  - ETHN: Network Connected/Non-Connected

Physical Specifications

- Dimensions: 75 (W) x 97 (D) x 45 (H) mm
- Weight: 185 g

Environmental Specifications
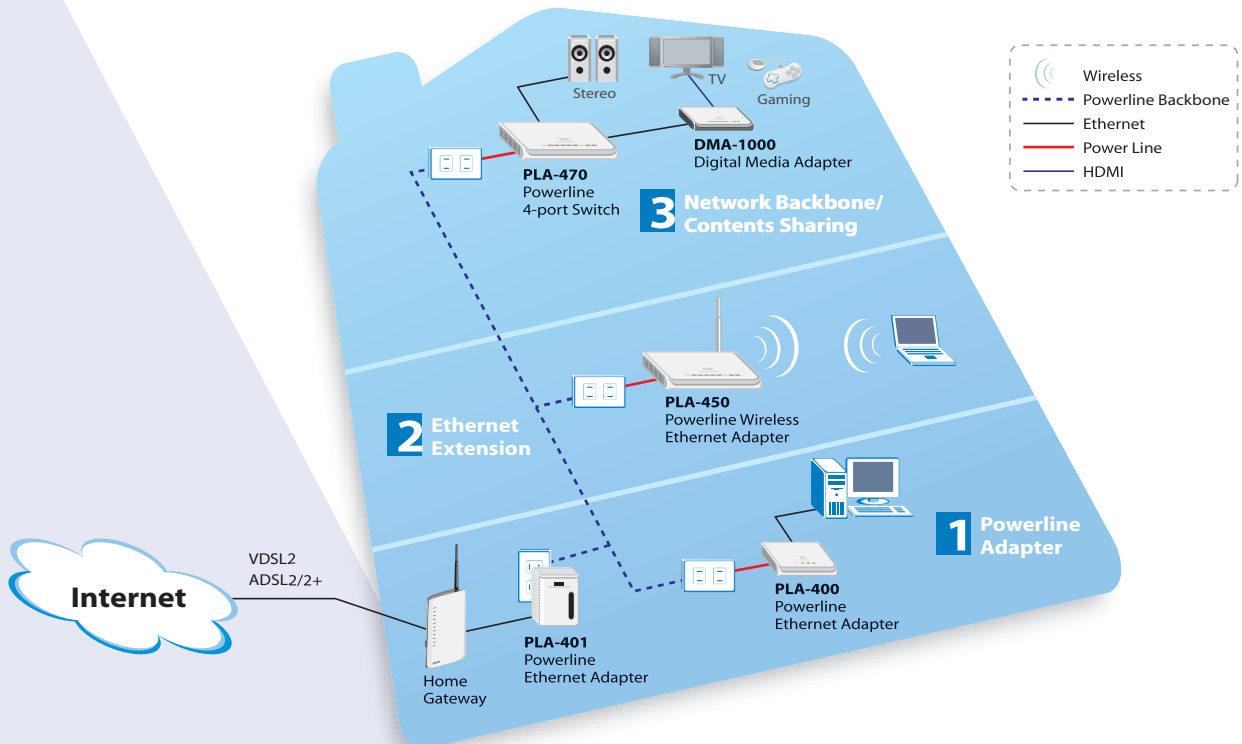
Operation Environment

- Temperature: 0°C ~ 40°C
- Humidity: 20% ~ 80%

Storage Environment

- Temperature: -20°C ~ 60°C
- Humidity: 5% ~ 90%

Certification

- Safety: UL/cUL, LVD
- EMI: CE, FCC part 15B
- HomePlug Certification: HomePlugAV

Application Diagram

- Stereo
- TV
- Gaming
- **DMA-1000** Digital Media Adapter
- **PLA-470** Powerline 4-port Switch
- **3** Network Backbone/ Contents Sharing
- **PLA-450** Powerline Wireless Ethernet Adapter
- **2** Ethernet Extension
- VDSL2 ADSL2/2+
- **Internet**
- Home Gateway
- **PLA-401** Powerline Ethernet Adapter
- **PLA-400** Powerline Ethernet Adapter
- **1** Powerline Adapter

Legend:
- Wireless
- Powerline Backbone
- Ethernet
- Power Line
- HDMI

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65-100-040101G   05/07