



Upgrade Home Networks Effortlessly with the Most Compact Powerline Adapter

- Plug-and-play, compact design
- Upgrade powerline networks with data transfer rates of up to 500 Mbps*
- Compliant with IEEE 1901 and compatible with HomePlug AV
- QoS enhances media streaming quality
- Power-saving mode reduces energy waste
- Encrypt button for easy security setup
- 128-bit AES encryption for network security
- Multi-color LED identifies powerline network quality

The ZyXEL PLA4201 500 Mbps Mini Powerline Ethernet Adapter improves up to 60% performance for stable HD media streaming compared with 200 Mbps powerline technology.** Just plug a pair of PLA4201 into electric outlets and connect to network devices, then you can enjoy HD media streams, multiplayer gaming and other network applications in every room simultaneously right away.

Benefits

Compact design for easy setup and instant plug-and-play



The new mini-size ZyXEL PLA4201 gives you the flexibility to turn power lines into a home network. The compact design allows hassle-free installation without blocking other power outlets. With a pair of plug-and-play PLA4201, you can easily extend your home network through any electrical outlet for Internet access from HDTVs, Blu-ray™ players, DVRs, PCs and game consoles.

Enjoy stable HD videos and gaming

Powered by the IEEE 1901 technology, the ZyXEL PLA4201 can provide a stable high-performance network for users to enjoy multiple HD streaming, multiplayer gaming, and Web surfing simultaneously.

QoS enhances media streaming quality

The advanced Quality of Service (QoS) features improve the quality of multimedia streaming applications such as Triple Play services by prioritizing HD video streaming, high-speed Internet access and VoIP traffics.

Green product saves energy consumption

When there is no Ethernet link, the PLA4201 enters a power-saving mode with just 0.5 watt consumption to reduce the energy waste by around 88%.

Easy security setup

Data transmission is protected by 128-bit Advanced Encryption Security (AES) to provide a secure connection to the Internet. Encryption can be configured via a simple button press on both PLA4201 units—no complicated setup or software required.



PLA4201
500 Mbps Mini Powerline
Ethernet Adapter





Specifications

System Specifications

Standard

- Compliant with IEEE 1901 with data transfer rate of up to 500 Mbps data rate*
- Compatible with HomePlug AV standard

Access Methods

- CSMA/CA channel-access schemes

Range

- Max. range up to 300 meters over power line

Power Saving Mode

- If link is inactive for a period (default setting: 60 seconds)

Security

- 128-bit AES encryption

Quality of Service (QoS)

- ToS
- Support up to 4-level type QoS
- Support up to 8-level VLAN priority field

Frequency Band

- 2 MHz - 67.5 MHz

Dynamic Neighbor Network Support

IGMP

- IGMP snooping for multicast to multiple unicast mapping

System Requirements

- Deployment requirements:
 - Devices with 10/100 or 10/100/1000 Mbps Ethernet port
 - Operating system independent
- Utility Software OS support:
 - Microsoft Windows XP/Vista/7

Hardware Specifications

- Ethernet interface: One 10/100 Mbps RJ-45 connector with auto MDI/MDIX support
- LED indicators:
 - Power on/off
 - Powerline network quality
 - Green: Best, Amber: Better, Red: Fair
 - Ethernet link/activity
- Button:
 - Encrypt/Reset button
- Power rating: 100-240 V AC, 50/60 Hz
- Power consumption
 - Full operation: 4 watt max.
 - Power-saving mode: 0.5 watt max.
- Plug type:



- EU type: Two pins for EU 220 V - 230 V



- US type: Two pins for US 120 V



- UK type: Three pins for UK 240 V

Physical Specifications

- Item dimensions (WxDxH):
50 x 60 x 70 mm (1.97" x 2.36" x 2.75")
- Item weight: 72 g (0.16 lb.)
- Packing dimensions (WxDxH):
155 x 75 x 135 mm (6.10" x 2.95" x 5.31")
- Packing weight:
 - Single pack: 237 g (0.52 lb.)
 - Starter kit pack: 346 g (0.77 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

Certification

Safety

- CE-LVD

EMC

- CE, FCC

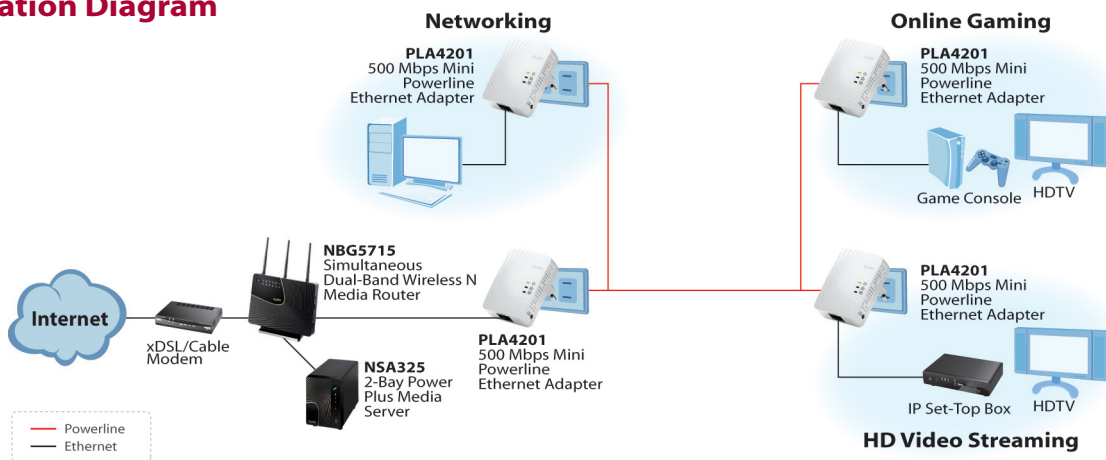
Package Contents

- Powerline Ethernet Adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

*The theoretical maximum channel data transfer rate is derived from IEEE 1901 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, noise on electrical wires, quality of electrical installation and other adverse conditions.

** Average throughput gain in typical homes

Application Diagram



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



Copyright © 2012 ZyXEL Communications Corp. All rights reserved. ZyXEL, ZyXEL logo are registered trademarks of ZyXEL Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.