



Upgrade Your Home Network for Data Streaming with No New Wires!

- **Compact Plug-and-play design**
- **Upgrade powerline network by HomePlug AV2 and IEEE 1901 600 Mbps technology***
- **IEEE 1901-compliant and HomePlug AV2-compatible**
- **QoS for media streaming quality enhancements**
- **Power-saving mode reduces energy waste**
- **Encrypt button for easy security setup**
- **128-bit AES encryption for network security**
- **Multi-color LED indicates powerline network quality**

The ZyXEL PLA4201 Series 600 Mbps Mini Powerline Ethernet Adapter can improve network performance by up to 20% and 60% compared with 500Mbps and 200 Mbps powerline technology respectively** for stable HD media streaming. Just plug a pair of PLA4201 Series into electric outlets, connect your router to one of the pair and any network device to the other to immediately enjoy HD media streaming, multiplayer gaming and other network applications simultaneously in any room.

Benefits

Plug-and-play, compact design for easy setup

ZyXEL's stylish mini-size PLA4201 Series gives you the installation flexibility to turn home electric lines into a network without blocking power outlets. The PLA4201 Series features plug-and-play installation and upward-facing ports for easy, effortless installation. Add two or more units to easily extend your home network to enable Internet access from HDTVs, Blu-ray™ players, DVRs, PCs and game consoles.

Enjoy stable HD videos and gaming

Powered by HomePlug AV2 and IEEE1901 technology, the ZyXEL PLA4201 Series provides a stable high-performance network to take full advantage of all entertainments the Internet has to offer.

QoS-enhanced media streaming quality

The advanced Quality of Service (QoS) feature improves the quality of multimedia streaming applications such as triple-play services by traffic prioritizing, HD video streaming, high-speed Internet access and VoIP.

Energy-saving green design

When there is no active Ethernet link, the ZyXEL PLA4201 Series will enter a power-saving mode consuming only 0.5 watt of power to reduce energy consumption by more than 88% comparing to adapters without this function.

Easy home network security setup

Data transmission through the ZyXEL PLA4201 Series is protected by 128-bit Advanced Encryption Security (AES) to provide a secure connection to the Internet. The encryption mechanism can be configured with a simple button press—no complicated setup or additional software required.

PLA4201 Series
600 Mbps Mini Powerline
Ethernet Adapter





Specifications

System Specifications

Standard

- Compliant with HomePlug AV2 and IEEE 1901 with data transfer rate of up to 600 Mbps data rate*
- Compatible with HomePlug AV standard

Access Methods

- CSMA/CA channel-access schemes

Range

- Max. range up to 300 meters (984 feet) 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
- Supports up to 4-level type QoS
- Supports up to 8-level VLAN priority field

Frequency Band

- 2 MHz to 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/win 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: Good
 - 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 25 x 70 mm (1.97" x 0.98" x 2.75")
- Item weight: 77 g (0.17 lb.)
- Packing dimensions (WxDxH): 148 x 118 x 81 mm (5.83" x 4.65" x 3.19")
- Packing weight:
 - Single pack: 267 g (0.59 lb.)
 - Starter kit pack: 344 g (0.76 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

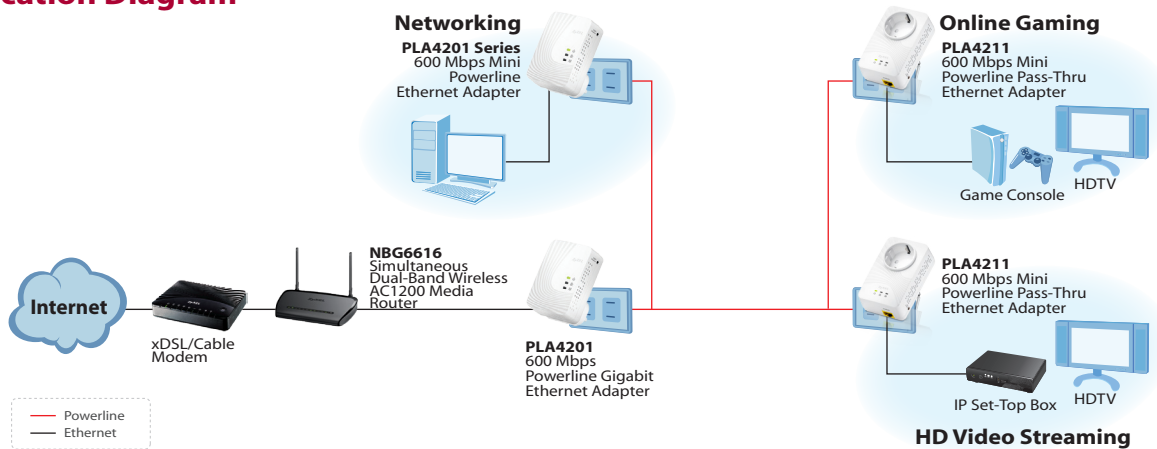
Packing Contents

- Powerline Ethernet Adapter
- Ethernet cable
- Quick start guide
- 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



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