

# ZyXEL



[www.zyxel.com/green](http://www.zyxel.com/green)

- Blazing-fast 500 Mbps\* speed for HD video streaming and gaming
- Plug-and-play connection to up to four media devices at Gigabit wire speed
- Compliant with IEEE1901 and compatible with HomePlug AV
- QoS enhances media streaming quality
- Power-saving mode reduces energy waste
- Encrypt button for easy security setup
- Secure networking with 128-bit AES encryption
- Multi-color LED indicates powerline network quality

## PLA4225 500 Mbps Powerline 4-Port Gigabit Switch

## Blazing Speed Lives Up Your Multimedia Streams

### Benefits

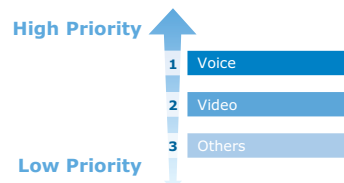
#### Blazing-fast speed for multiple HD streams

Powered by the latest IEEE 1901 technology and four Gigabit Ethernet ports, the ZyXEL PLA4225 500 Mbps Powerline 4-Port Gigabit Switch provides an all-in-one solution for users to enjoy multiple HD streams, multiplayer gaming and Web surfing simultaneously. In combination with the Powerline Ethernet Adapter, the PLA4225 makes it convenient and easy for you to connect up to four media devices, such as Internet HDTVs, Blu-ray™ players, DVRs, and game consoles, to the home network through any electrical outlets in every corner of your home.



#### QoS enhances media streaming quality

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



#### Green product saves energy consumption

When there is no Ethernet connection, the PLA4225 will enter the power-saving mode to reduce energy consumption by around 80% when compared to the powerline adapters without this function.

#### Easy security setup

Data transmission through PLA4225 is protected by the 128-bit Advanced Encryption Security (AES) security to provide a secure connection to the Internet. As data encryption can be easily established by simply pressing a button on your PLA4225, there's no complicated setup or software required.





## PLA4225 500 Mbps Powerline 4-Port Gigabit Switch

### Specifications

#### System Specifications

##### Standard

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

##### Access Methods

- CSMA/CA channel-access schemes

##### 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
  - Operates System Independent
- Utility Software OS Support :
  - Microsoft Windows XP/Vista/7

#### Hardware Specifications

- Ethernet interface: Four 10/100/1000 Mbps RJ-45 connectors with auto MDI/MDIX support
- Power rating: 100-240 V AC, 50/60 Hz
- LED indicators:
  - Power on/off
  - Powerline link/quality
    - Green: Best, Amber: Better, Red: Good
  - Ethernet link/activity
- Buttons:
  - Encrypt button
  - Reset button
- Power consumption:
  - Full operations: 5 Watt max.
  - Power-saving mode: 1 Watt max.
- Plug type:



EU type US type UK type

- EU type: Two pins, 230 V
- US type: Two pins, 120 V
- UK type: Three pins, 240 V

#### Physical Specifications

- Item dimensions (WxDxH):  
76 x 72 x 108 mm (2.99" x 2.83" x 4.24")
- Item weight: 160 g (0.36 lb.)
- Packing dimensions (WxDxH):
  - Single pack:  
134 x 94 x 178 mm (5.27" x 3.7" x 7.01")
  - Starter kit pack:  
260 x 103 x 155 mm (10.22" x 4.05" x 6.09")
- Packing weight:
  - Single pack: 419 g (0.92 lb.)
  - Starter kit pack: 662 g (1.45 lb.)

#### Environmental Specifications

##### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 20% to 90% (Non-condensing)

##### Storage Environment

- Temperature: -20°C to 70°C (-4°F to 158°F)
- Humidity: 20% to 95% (Non-condensing)

#### Certification

##### Safety

- CE-LVD

##### EMC

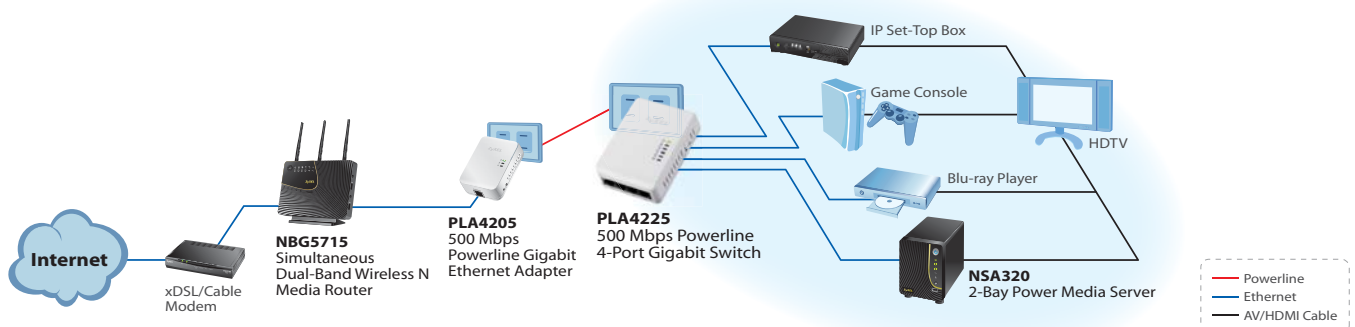
- CE, FCC

#### Package Contents

- Powerline Ethernet Switch
- 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.

### Application Diagram



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

