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- Plug-and-play for quick data transfer rates of up to 500 Mbps*
- AC pass-through design with an extra power outlet
- Compliant with IEEE 1901 and compatible with HomePlug AV
- Gigabit Ethernet port provides faster wired connection
- Embedded noise filter for reduced power interference
- QoS enhances media streaming quality
- Power-saving mode reduces energy waste
- Encrypt button for easy security setup
- 128-bit AES encryption for secure network
- Multi-colored LED identifies powerline network quality

PLA4215

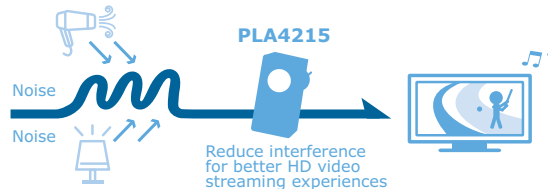
500 Mbps Powerline Pass-Thru Gigabit Ethernet Adapter

500 Mbps Powerline Adapter with Extra Plug for Convenient Multiple HD Video Streaming

Benefits

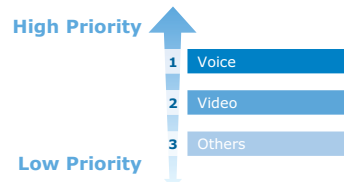
Enjoy stable HD video and gaming

Powered by the latest IEEE 1901 technology and a Gigabit Ethernet port, the ZyXEL PLA4215, 500 Mbps Powerline Pass-Thru Gigabit Ethernet Adapter, provides a stable, high-performance network for users to enjoy multiple HD streaming, multiplayer gaming and Web surfing simultaneously. With a pair of plug-and-play installed PLA4215, you can easily extend home networks through any electrical outlet for Internet access with HDTVs, Blu-ray™ players, DVRs, PCs and game consoles. The embedded noise filter enables the PLA4215 to suppress noise from all electronic equipment plugged into it and enhance the network environment for multimedia streaming.



QoS enhances media streaming quality

The advanced QoS features on the PLA4215 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 link, the PLA4215 will enter a power-saving mode to reduce energy consumption by over 80% comparing to adapters without this function.

Easy security setup

Data transmission is protected by 128-bit Advanced Encryption Security (AES) security to provide a secure connection to the Internet. As a simple button press on both PLA4215 is all it takes to configure the encryption feature, there's no need for complicated setup or extra software.





PLA4215 500 Mbps Powerline Pass-Thru Gigabit Ethernet Adapter

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
 - Operating system independent
- Utility software OS support:
 - Microsoft Windows XP/Vista/7

Hardware Specifications

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



- Type F (CEE 7/4): DE, NL, ES, PT, AT, SE, FI, NO, GR, HU, LU



- Type E (CEE 7/7): FR, BE, PL



- Type J (SEV 1011): CH



- Type G (BS 1363): UK, CY, HK



- Type B (NEMA 5-15): TW, US

Physical Specifications

- Item dimensions (WxDxH): 67 x 73 x 127 mm (2.63" x 2.87" x 4.99")
- Item weight: 235 g (0.52 lb.)

- Packing dimensions (WxDxH):

- Single pack: 178 x 94 x 134 mm (7.01" x 3.7" x 5.27")
- Starter kit pack: 247 x 101 x 156 mm (9.73" x 3.98" x 6.14")
- Packing weight:
 - Single pack: 483 g (1.07 lb.)
 - Starter kit pack: 825 g (1.82 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 45°C (32°F to 113°F)
- Humidity: 20% to 95% (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

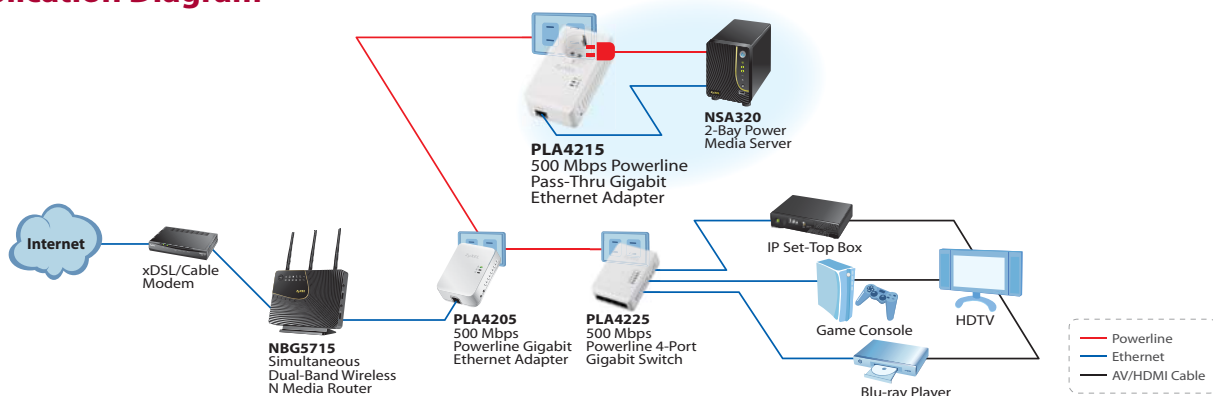
- CE, FCC

Package Contents

- Powerline Pass-Thru 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.

Application Diagram



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

