ZyXEL

Create a Fast and Stable Home Network with Gigabit Powerline Adapter
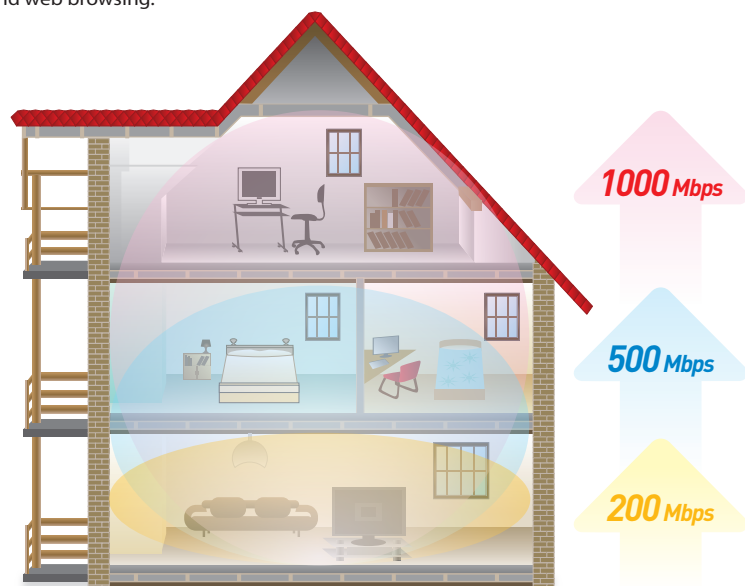
1000

- **HomePlug AV2 compliant with up to 1000 Mbps* data transfer rates**
- **No extra wires or configuration required**
- **Perfect for connecting Smart TVs and on-line games**
- **QoS ensures network quality for VoIP, IPTV & HD media streaming**
- **Single push-and-secure button for simple, fast security setup**
- **Compliant with IEEE 1901 and HomePlug AV technology**
- **Multi-color LED indicates powerline network quality**
- **Energy-saving feature offers efficient power management and cost savings**

The ZyXEL PLA5206 1000 Mbps Powerline Gigabit Ethernet Adapter is based on the latest HomePlug AV2 standard with data transfer rates up to 1000 Mbps*. You can plug into existing electrical circuitry, transferrin power lines into a high speed network without new wires or drilling, and PLA5206 brings you a whole new large bandwidth to enjoy multiple HD streaming, online gaming and other network applications simultaneously in every room.

Benefits

HomePlug AV2 integrated with Gigabit LAN connection

With advanced HomePlug AV2 technology, the ZyXEL PLA5206 achieves speeds of up to 1000 Mbps*, which is a 30% increase in performance over a 600 Mbps* powerline and double that of a 500 Mbps* Fast Ethernet Adapter. The device also offers backwards compatibility with HomePlug AV and IEEE 1901 based products. In addition, the PLA5206 is equipped with a Gigabit Ethernet port. The PLA5206 users can experience stable high-performance networking, including simultaneous HD streaming, online gaming and web browsing.

1000 Mbps

500 Mbps

200 Mbps

ZyXEL **green**

PLA5206
**1000 Mbps Powerline
Gigabit Ethernet Adapter**

ZyXEL

PLA5206
1000 Mbps Powerline Gigabit Ethernet Adapter

No extra wires or configuration required

The ZyXEL PLA5206 lets you create a network using your home's existing electrical wires easily extending Internet connectivity throughout the building while eliminating the need to drill through walls or install additional network cables. Forget about complicated setup procedures; no configuration is required. Just plug your PLA5206 into a power outlet and create a completely functional network.

Step 1.
Plug into power outlet and connect to your router

PLA5206

Step 2.
Connect another Powerline to Smart TV

PLA5206

Step 3.
Enjoy high speed, stable connectivity!

Perfect for connecting smart TVs and playing on-line games

The ZyXEL PLA5206 provides speeds of up to 1000 Mbps*, accelerating network applications like HDTV, multimedia HD streaming and online gaming. Users can easily transmit multiple HD streams and even 3D movies to every room quickly and smoothly.

PLA5206 | PLA5216 | PLA5216 | PLA5206

Music & TV Services | **Game Consoles** | **Home Office** | **Kitchen**

Easy home network security setup

Data transmission through the ZyXEL PLA5206 is protected by 128-bit Advanced Encryption Security (AES), providing a secure connection to the Internet. The encryption mechanism can be configured with a simple press of a button—no complicated setup or additional software is required.

QoS enhances high-quality media streaming

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

A green product that reduces energy consumption

When there is no Ethernet connection 60 seconds, the ZyXEL PLA5206 will enter a power-saving mode that consumes only 0.5 watts, saving 80% more energy than comparable adapters without this function.

Specifications

System Specifications

Standard
• Compliant with HomePlug AV2
• IEEE 1901 and HomePlug AV standard

Powerline Data Rate
• Transmit: up to 1000 Mbps*
• Receive: up to 1000 Mbps*

Access Methods
• CSMA/CA channel-access schemes

Range
• Max. range up to 300 meters over power line

Power Saving Mode
• When there is no Ethernet link in 60 seconds

Security
• 128-bit AES encryption

Quality of Service (QoS)
• ToS
• Supports up to 4-level type QoS
• Support up to 8-level VLAN priority field

Frequency Band
• 2 MHz to 86 MHz

IGMP
• IGMP v1/v2/v3

System Requirements
• Operating system independent:
  ▪ Ethernet: RJ-45
• Utility Software OS support:
  ▪ Microsoft Windows XP/Vista/7/8

Hardware Specifications
• Ethernet interface: One 10/100/1000 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 to 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 230 V
  ▪ US type: Two pins for US 120 V
  ▪ UK type: Three pins for UK 240 V

Physical Specifications
• Item dimensions (WxDxH):
  61 x 93 x 32 mm (2.4" x 3.66" x 1.26")
• Item weight: 100 g (0.22 lb.)
• Packing dimensions (WxDxH):
  151 x 176 x 85 mm (5.94" x 6.92" x 3.34")
• Packing weight: 360 g (0.79 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)
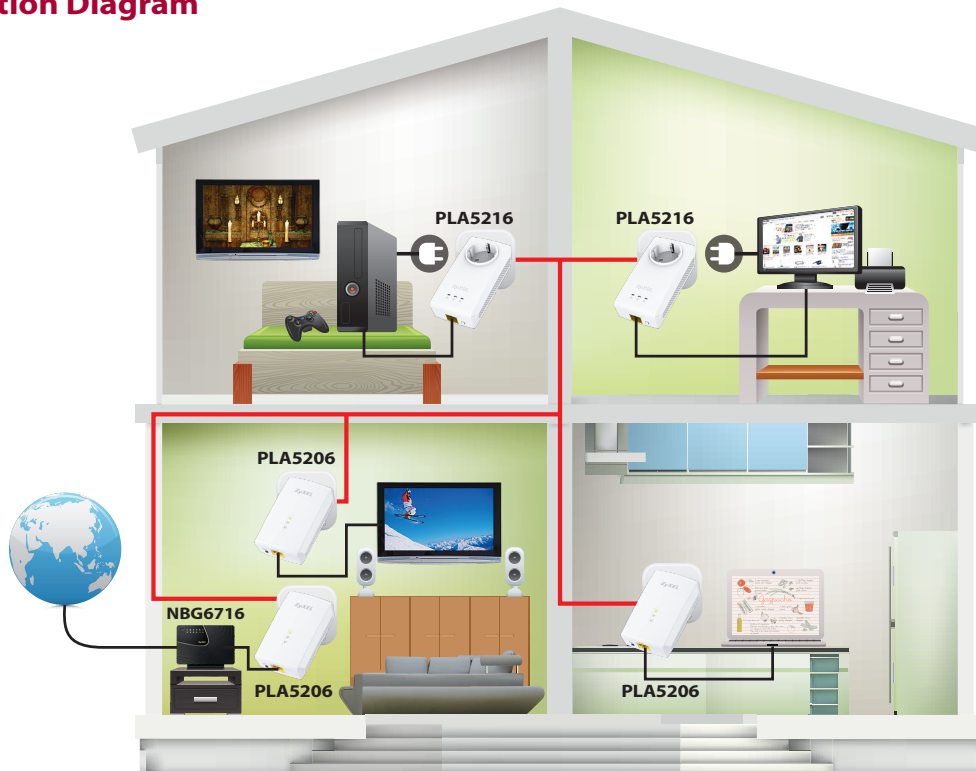
Certification
• Safety: CE-LVD
• EMC: CE, FCC

Packing Contents
• Powerline Adapter
• Ethernet cable
• Quick start guide
• Warranty card

The theoretical maximum channel data transfer rate is derived from HomePlug AV2 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