

# ZyXEL



## Power Up Your Network



- **Integrated HomePlug AV Module Supporting Up to 200 Mbps Speed**
- **4-port 10/100 Mbps Ethernet for Multiple Powerline Connections**
- **Power Strip Design with 4 Power Outlets**
- **Integrated Low Pass Filter to Optimize Performance Throughput**
- **On/Off Power Switch**
- **Separate On/Off Switch for Powerline**

### Benefits

#### **All-in-one Solution Integrating HomePlug AV, Ethernet Switch and Filtered AC Power Outlet**

ZyXEL PLA491 is a HomePlug network extension device that integrates an Ethernet 4-port switch with a 4-AC outlet. The design enables networking between varied electrical devices. The PLA491 not only provides a high speed data rate via HomePlug AV technology but also supplies outlets to save space in a Powerline networking environments. The PLA491 features four network filtered outlets. The PLA491 isolates interference from the outlets via the onboard network filter, delivering clean and stable power for your Powerline network.

#### **Easy-one-touch Button for Network Security Setting**

Use the ENCRYPT button to set up a secure connection between your PLA491 and another HomePlug AV product with an ENCRYPT button. Just push the ENCRYPT button on your PLA491, and set up your second PowerLine device within 120 seconds.

#### **Easy-one-touch Homeplug On/Off and Power On/Off Anytime to Save Energy**

Two independent On/Off switches save power consumption when the network function is not needed. Just one touch, you can save energy easily.

Powerline Ethernet Multiplug Center

PLA491



# POWERLINE






## Specifications

### System Specifications

- Powerline Communication
  - Speed: HomePlug AV 200 Mbps data rate
  - HomePlug Modulation:
    - OFDM Symbol Modulation
    - QAM 1024/256/64/16
    - QPSK, BPSK, ROBO Carrier modulation schemes
  - Nodes: Up to 64 nodes (16 bridged devices per managed stream, 4 managed streams per station)
  - Coverage: up to 300 meters/984 feet
- Security:
  - 128-bit AES encryption
  - Push button security
- Quality of Service (QoS)
  - ToS, 802.1q
  - Support up to 4-level type QoS
  - Support up to 8-level VLAN priority field
- Frequency Band: 2 MHz ~ 30 MHz
- Surge Energy rating: 1750 Joules
- Standard:
  - Compliant with IEEE 802.3, 802.3u (10/100 Ethernet standard)
  - HomePlug® AV

### Hardware Specifications

- Ethernet Interface: RJ-45 connector, 4-port 10/100M
- Power Interface:
  -  US version: 4 AC outlets, 10 A 125 V, UL/CSA certified
  -  EU version: 4 AC outlets, 10 A 250 V, VDE/LCIE certified
  -  UK version: 4 AC outlets, 10 A 250 V, BSI certified
- Power Input: 100-240 V AC, 50/60 Hz, 10A (MAX)
- LED Indicators: 6 LEDs
  - HomePlug Power on/off
  - HomePlug throughput Information
  - LAN Indicator(1~4 Port)
- On/Off Switch: 2 Switches
  - HomePlug On/Off button
  - AC Power On/Off button
- Buttons: 2 Buttons
  - Reset to default button
  - Encryption button
- Power Cord:
  - Length: 1500 cm
  - Diameter: 8.5 cm
- Power Cord Rotated Range: Right-Angle 180 degree

### Physical Specifications

- Dimensions: 330 (W) x 140 (D) x 40 (H) mm
- Weight: 1150 g

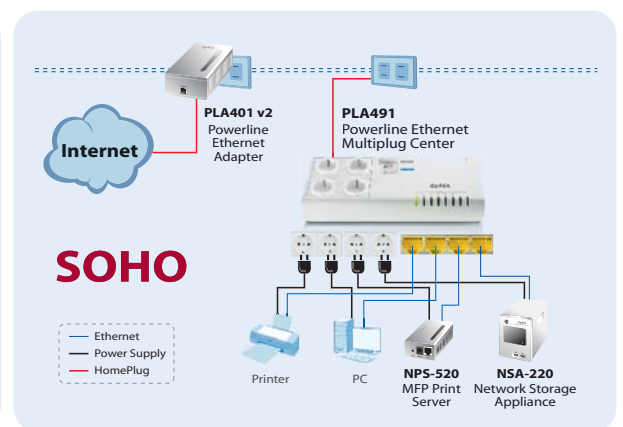
### Environmental Specifications

- Operating Temperature: 0°C ~ 40°C
- Storage Temperature: -20°C ~ 60°C
- Operating Humidity: 20% ~ 95% RH
- Storage Humidity: 20% ~ 95% RH (USA version: Operating Temperature: 32°F ~ 104°F Storage Temperature: -4°F ~ 140°F)

### Certification

- EMI Certification: FCC, CE
- Safety Certification: UL, cUL
- Power Outlet Certification: VED/LCIE/BSI
- RoHS

## Application Diagram



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