

# Powerline Network Adapter

### Fast, Easy Wired Networking

Use Actiontec's 500 Mbps Powerline Network Adapter to connect home theater devices like your Blu-Ray and Gaming Console to the Internet. Simply plug an adapter into a wall. Then take an Ethernet cable and plug one end into the Adapter and the other end into a device like your Blu-Ray Player. Your Blu-Ray player is now connected to the Internet. As you can see, it's so easy to use, any do-it-yourself networker can get it up and running in a flash and it's fast...The Ethernet Adapter supports speeds up to 500 Mbps and adheres to the HomePlug AV standard.

### Key Features

Perfect for connecting to the Internet:

- Blu-Ray
- Gaming Consoles
- DVR
- Internet TVs
- PCs and more

Safe & Secure

24-7 Live Support

Fast & Easy...Setup in less than 5 minutes

### Best Use Case

Whenever you need a fast, reliable connection

Where wireless cannot reach or has a weak signal

Small office/Home Office Environment



Model # PWR500



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## Features/Specifications

### Interfaces

- One 10/100 BaseT Ethernet LAN
- One 500 Mbps Powerline

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 1901
- HomePlug AV

### Data Rate\*

- HomePlug AV PHY Rate: Up to 500 Mbps over standard home power lines
- Ethernet Rate: Up to 100 Mbps

### Operating Range

- Up to 300 meters in wall power lines

### Frequency Band

- 2 MHz - 68 MHz

### Security

- 128-bit AES Link Encryption with Key Management

### Compatibility

- Coexists with HomePlug 1.0 (14/85 Mbps)
- Interoperates with HomePlug AV (200/500 Mbps)

### QoS Support

- VLAN
- TOS
- Packet Classifier
- Quasi Error Free Delivery for IPTV Service

### Modulation

- OFDM Symbol Modulation on Line Synchronization
- QAM
- QPSK
- BPSK
- ROBO Carrier Modulation

### Additional Protocols & Features

- CSMA/CA channel access scheme (upgradeable to TDMA)
- CO device generates a periodic beacon carrier for channel access scheme
- Forward Error Correction (FEC)
- Automatic Channel Adaptation

### Power Input

- 100 to 240V @ 50/60 Hz Internal

### Regulatory Compliance

- FCC Part 15 Class B
- UL
- HomePlug Certification

\*Theoretical data throughput numbers are based on maximum, theoretical PHY throughput for HomePlug AV. Actual data throughput of up to 93.8 Mbps (TCP) seen in laboratory testing. The throughput will vary based on the condition and noise found on the power lines within the home as well as the type of Ethernet Adapter supported on each computer or other device.

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