



## Powerline 500 AV2 Adapter TPL-408E (v1.0R)

- Up to 600 Mbps Powerline networking with Homeplug AV2 technology
- TRENDnet adapters auto-connect out of the box
- Pre-encrypted for your security
- High performance Gigabit port
- Power Save mode reduces electrical consumption by up to 80%

TRENDnet's Powerline 500 AV2 Adapter, model TPL-408E, uses an electrical outlet to create a 500 Mbps Powerline network. No CD installation required—encrypted TRENDnet adapters auto-connect out of the box. Two adapters are needed to start a network. Connect one adapter to a router and plug in another adapter on your electrical system for instant internet access.

## Ease of Use



### No CD Installation

Simply plug in the adapters—all TRENDnet adapters auto-connect out of the box



### Cross Compatible

TRENDnet Powerline 600, 500, and 200 adapters work with each other



### Compact

Compact form factor saves space around a crowded electrical outlet

## Performance



### Powerline 500

500 Mbps Powerline networking over existing electrical lines



### Whole Home Coverage

Connects over electrical lines for distances of up to a 5000 square foot home (300 m/984 ft.)



### Energy Savings

Power Save mode reduces electrical consumption by up to 80%

## Security



### Pre-Encrypted

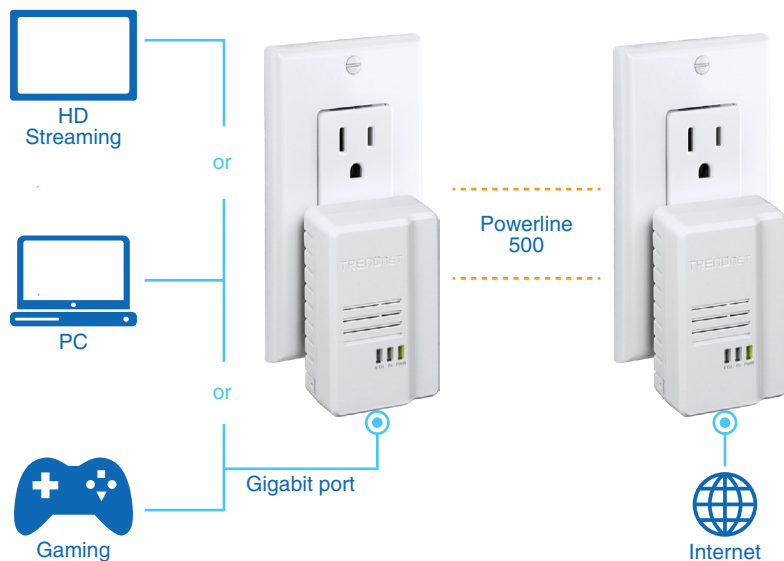
For your security the adapter arrives pre-encrypted



### Sync Button

Press the Sync button to change existing encryption keys

## Networking Solution



## Specifications

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 1901/HomePlug AV2
- HomePlug 1.0

### Device Interfaces

- Gigabit Ethernet port
- Sync (changes encryption key)/reset button
- Status LEDs
- Power plug: A: North America Type B (NEMA 5-15); EU: Euro Type C (CEE 7/16); UK: United Kingdom Type G (BS 1363)

### Frequency Band

- 2 - 68 MHz

### Data PHY Rate

- 600 Mbps

### Networking Distance

- 5,000 sq. ft. home or 300 m (980 ft.) linear distance over electrical power lines

### Security

- 128-Bit AES (Advanced Encryption Standard)

### Utility OS Compatibility

- Windows® 8.1, 8, 7, Vista, XP

### Power

- Input: 100 - 240 V AC, 50 /60 Hz
- Consumption: Active mode: 3.9 Watts (max.); Standby mode: 0.4 Watts (max.)

### Operating Temperature

- 0 – 40°C (32 – 104°F)

### Operating Humidity

- Max. 90 % non-condensing

### Certifications

- CE
- FCC
- HomePlug AV

### Dimensions

- A: 55 x 87 x 51 mm (2.2 x 3.4 x 2 in.)
- EU: 55 x 87 x 65 mm (2.2 x 3.4 x 2.6 in.)
- UK: 55 x 87 x 58 mm (2.2 x 3.4 x 2.3 in.)

### Weight

- A: 84 g (3 oz.)
- EU: 88 g (3.1 oz.)
- UK: 90 g (3.2 oz.)

### Warranty

- 3 year limited

### Package Contents

- TPL-408E
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Network cable (1.5 m/5 ft.)

\* Maximum of 8 adapters (nodes) recommended for streaming video across your network

\*\* 500 Mbps is the maximum physical Powerline data rate. Data throughput may vary by circuit wire condition overheads.

\*\*\* Powerline communication works only single area electric circuit. (Usually controlled by a single power breaker.)

