



## Powerline 500 AV Nano Adapter

TPL-406E (v2.0R)

- Expand your network with this Powerline adapter
- Easy no-CD installation
- Two Powerline devices are required to start a network

The Powerline 500 AV Nano Adapter, model TPL-406E, uses an electrical outlet to create a high speed network. Two adapters are needed to start a network. Connect one adapter to your router and plug another adapter into an outlet on your electrical system for instant high speed network access. The compact form factor saves space around crowded electrical outlets. Use up to 8 adapters to network devices in different rooms without running new cabling.

## Powerline



### Link Button

Press the Link button to change existing Powerline encryption keys



### Pre-Encrypted

For your security the Powerline signal is pre-encrypted



### Powerline 500

High speed Powerline networking over existing electrical lines



### Ethernet Port

Convenient Ethernet port to hardwire computer, smart TV, or other network enabled device



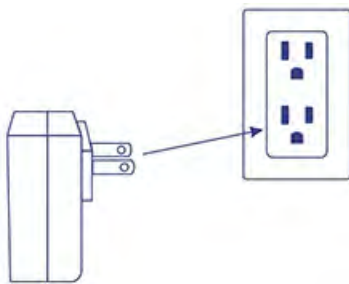
### Cross Compatible

Backward compatible with all Powerline 600, 500, and 200 adapters



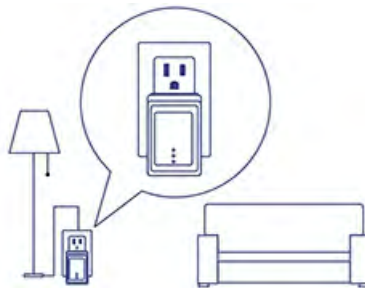
### Quick Setup

Get up and running in minutes with the intuitive guided setup



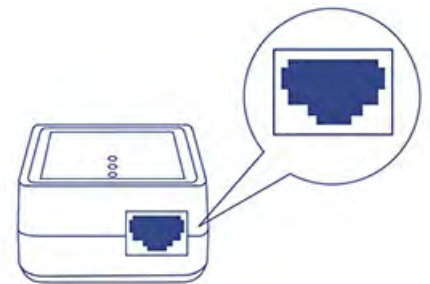
### Plug In Install

Simply plug in TRENDnet adapters! The encrypted Powerline signal auto-connects over an existing electrical system.



### No Clutter

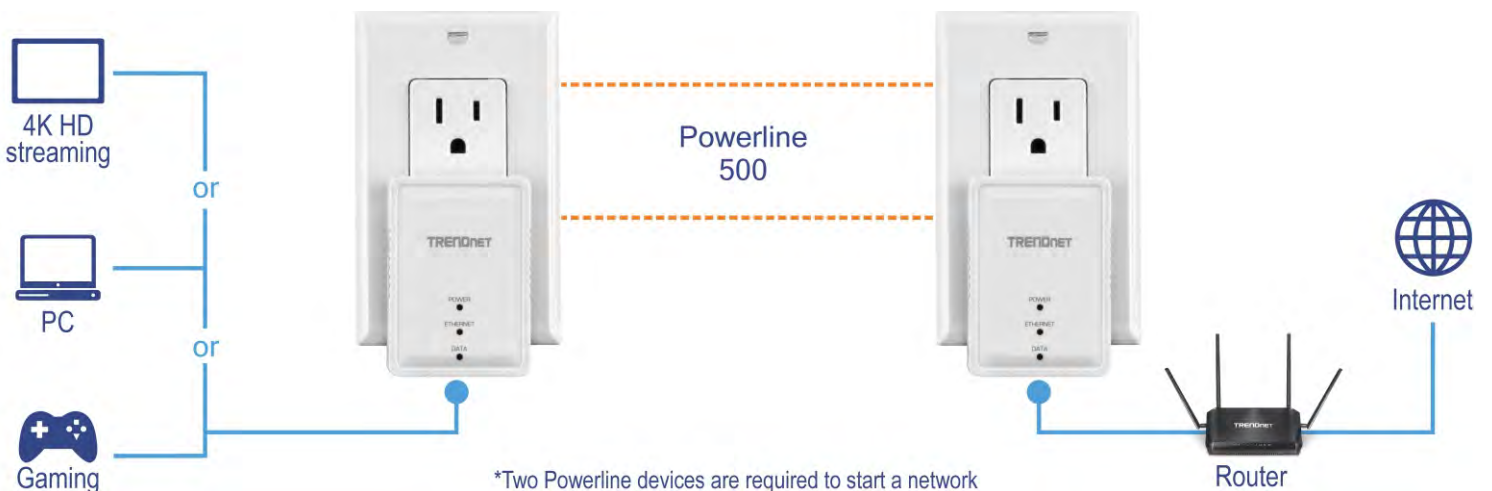
The compact form factor stays off the ground by plugging directly into an outlet.



### Ethernet Port

Ethernet port extends high performance wired connections.

## Networking Solution



## Specifications

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 1901

### Device Interfaces

- Ethernet port
- Link / 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

- Ethernet: Up to 200 Mbps (full-duplex)

### Networking Distance

- Up to 300 m (980 ft.) linear distance over electrical power lines

### Security

- 128-Bit AES (Advanced Encryption Standard)

### Optional Utility: OS Compatibility

- Windows® 10, 8.1, 8, 7, Vista, XP

### Nodes

- Up to 8 (max.)

### Overlapping Powerline Networks

- Up to 4 (per electrical system)

### Power

- Input: 100 – 240 V AC, 50/60 Hz
- Consumption: Active mode: 2.7 Watts (max.); Standby mode: 0.34 Watts (max.)

### Operating Temperature

- 0 – 40 °C (32 – 104 °F)

### Operating Humidity

- Max. 90% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 68 x 55 x 28 mm (2.7 x 2.2 x 1.1 in.)

### Weight

- A: 64 g (2.2 oz.)
- EU: 68 g (2.4 oz.)
- UK: 68 g (2.4 oz.)

### Warranty

- 3 year limited

### Package Contents

- TPL-406E
- Quick Installation Guide
- Network cable (1.5 m / 5 ft.)

\* 500 Mbps is the maximum physical Powerline data rate. Data throughput may vary by circuit wire condition. Maximum of 8 adapters (nodes) recommended for streaming video across your network.

\*\* Powerline networking is limited to the same electrical system. Power strips, GFCI outlets, and AFCI circuit breakers may degrade Powerline signals.

