

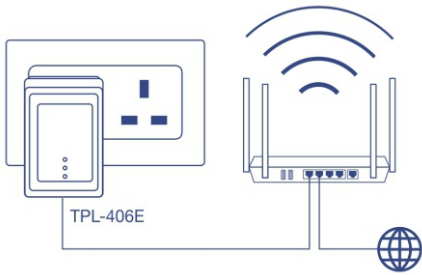


## WiFi Everywhere™ Powerline 500 Kit

TPL-410APK (v2.0R)

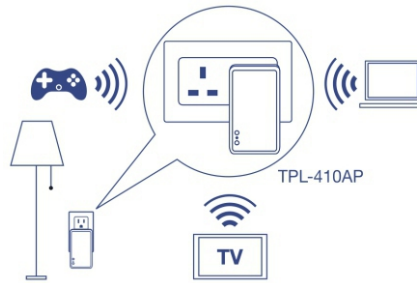
- Create or expand a wireless network with this Powerline adapter
- 500 AV Powerline and N300 Wireless N
- Easy installation
- Two convenient Ethernet ports
- Includes TPL-406E + TPL-410AP adapters

TRENDnet's WiFi Everywhere™ Powerline 500 Kit, model TPL-410APK, uses electrical outlets to create a hybrid Powerline-Wireless network. Easily install the included TRENDnet Powerline adapters (TPL-406E + TPL-410AP) to create a high-speed powerline network. Network the TPL-406E to a router and plug the TPL-410AP into an outlet on the electrical system to extend a high performance wireless network. Hardwire a smart TV, gaming console, or media player to the two Ethernet ports on the TPL-410AP.



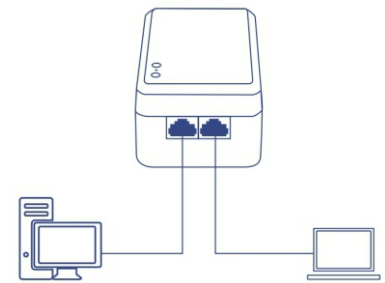
### Plug In Install

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



### WiFi Everywhere™

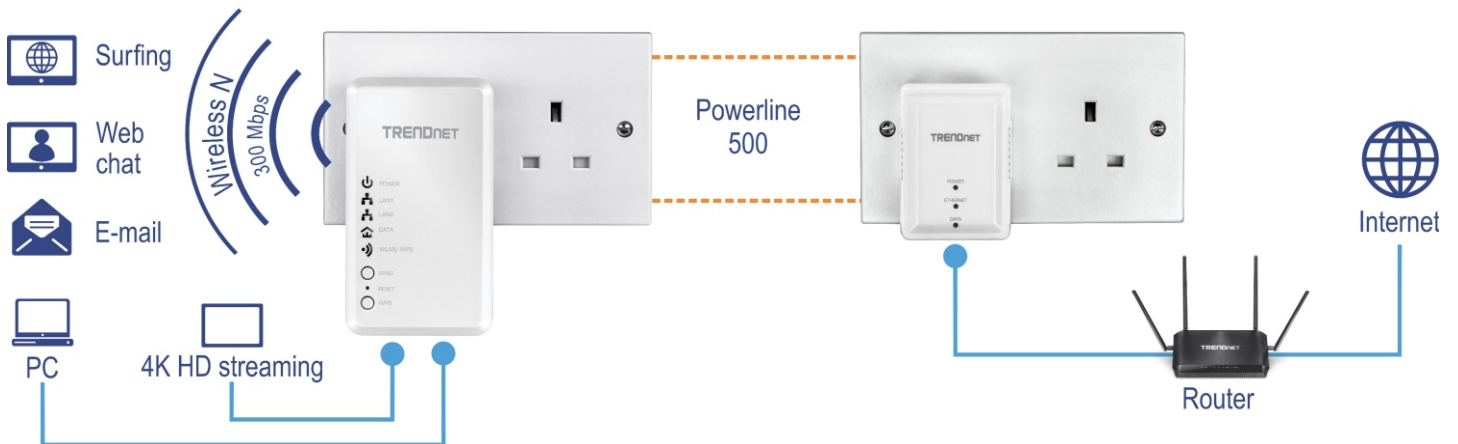
By combining wireless and Powerline technology you can enjoy wireless connectivity from any power outlet in your household.



### Ethernet Port

Ethernet port extends high performance wired connections.

## Networking Solution



## Powerline



### Sync Button

Press the Sync button to change existing Powerline encryption keys



### Powerline 500

High speed Powerline networking over existing electrical lines



### Ethernet Ports

Two convenient Ethernet ports to hardwire computers, smart TVs, or other network enabled devices



### Cross Compatible

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

## Wireless



### Quick Setup

Get up and running in minutes with the intuitive guided setup



### N300 Wireless

Proven N300 Wireless N



### Wireless Coverage

Expanded wireless coverage with MIMO antenna technology



### Pre-Encrypted

For your convenience the wireless is pre-encrypted with a unique password



### Push Button Connection

Connect wireless devices at the touch of the Wi-Fi Protected Setup (WPS) button



### Compatibility

Compatible with legacy 2.4 GHz Wireless devices

## Specifications

### TPL-410AP (v2.0R)

#### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3az
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 Mbps)
- IEEE 1901

#### Device Interface

- 2 x 10/100 Mbps ports
- Sync button
- Reset button
- WPS button
- Power switch
- LED indicators
- 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

#### Networking Distance

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

#### Encryption

- Wireless: up to WPA2
- Powerline: 128-bit AES (Advanced Encryption Standard)

#### Utility OS Compatibility (optional)

- Windows® 10, 8.1, 8, 7, Vista, XP

#### Special Features

- Auto-connects to other TRENDnet Powerline adapters
- Additional Ethernet port for wired connectivity

#### Antenna Gain

- 2.4 GHz: 2 x 3 dBi

#### Wireless Output Power/Receiving Sensitivity

- 802.11b: 17 dBm (typical) / -76 dBm (typical) @ 11 Mbps
- 802.11g: 14.5 dBm (typical) / -66 dBm (typical) @ 54 Mbps
- 802.11n: 14 dBm (typical) / -68 dBm (typical) @ 300 Mbps

#### Power

- Input: 100 – 240 V AC, 50 – 60 Hz, 0.2 A
- Active mode consumption: 6.5 Watts (max.)

#### Operating Temperature

- 0 - 40 °C (32 – 104 °F)

#### Operating Humidity

- Max. 90% non-condensing

#### Certifications

- CE
- FCC
- IC

#### Dimensions

- 107 x 62 x 48.5 mm (4.2 x 2.44 x 1.9 in.)

#### Weight

- A: 180 g (6.3 oz.)
- EU: 190 g (6.7 oz.)
- UK: 190 g (6.7 oz.)

### TPL-406E (v2.0R)

#### Standards

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

#### Device Interfaces

- Ethernet port
- Sync / 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 – 68MHz

#### 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-410AP
- TPL-406E
- Quick Installation Guide
- 2 x Network cable (1.5 m / 5 ft.)

\* Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions

\*\* 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.

