

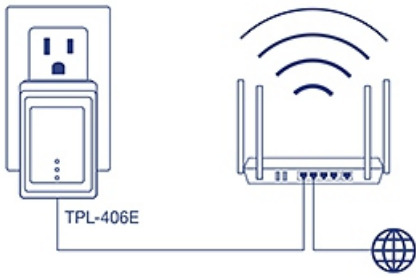


WiFi Everywhere™ Powerline 500 Kit

TPL-410APK (v2.0R)

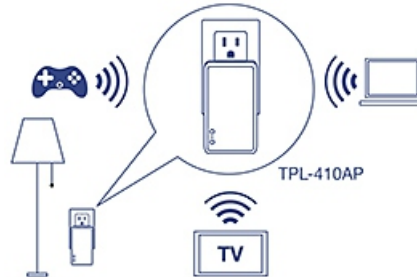
- Create or expand a wireless network with this Powerline adapter
- 500 AV Powerline and N300 Wireless N
- Easy installation
- Two convenient Ethernet ports
- Includes TPL-406E + TPL-410AP adapters

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.



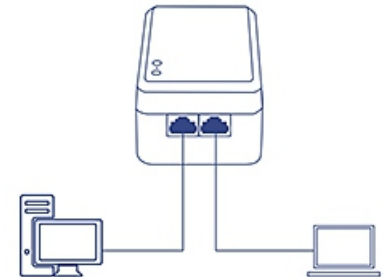
Plug In Install

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



WiFi Everywhere™

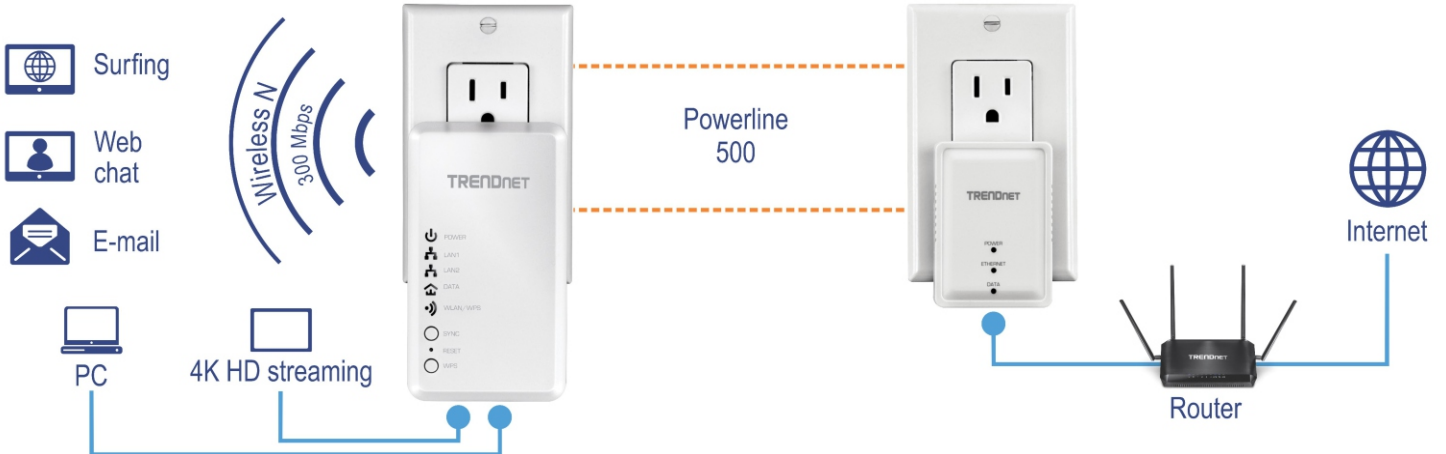
By combining wireless and Powerline technology you can enjoy wireless connectivity from any power outlet in your household.



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.

