

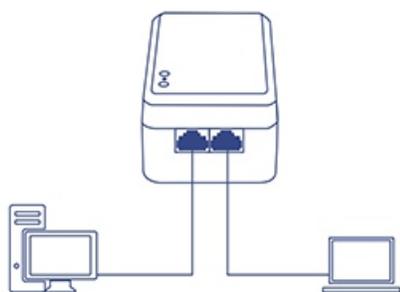


WiFi Everywhere™ Powerline 500 AV Access Point

TPL-410AP (v2.0R)

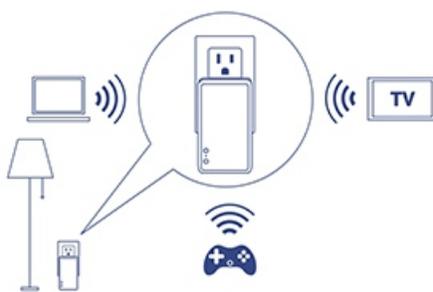
- Create or expand a wireless network with this Powerline adapter
- 500 AV Powerline and Wireless N 300
- Easy installation
- Two convenient Ethernet ports
- Two Powerline devices are required to start a network

TRENDnet's WiFi Everywhere™ Powerline 500 AV Access Point, model TPL-410AP, uses an electrical outlet to create or expand a wireless network. Two Powerline adapters are needed to start a network. Connect one adapter to a router and plug in the TPL-410AP on your electrical system to create or expand a wireless network.



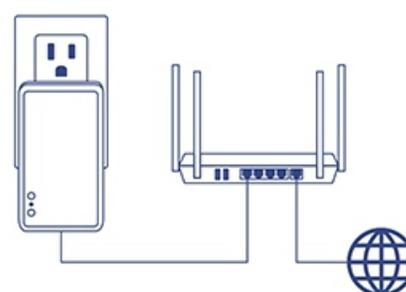
Plug In Install

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



WiFi for All

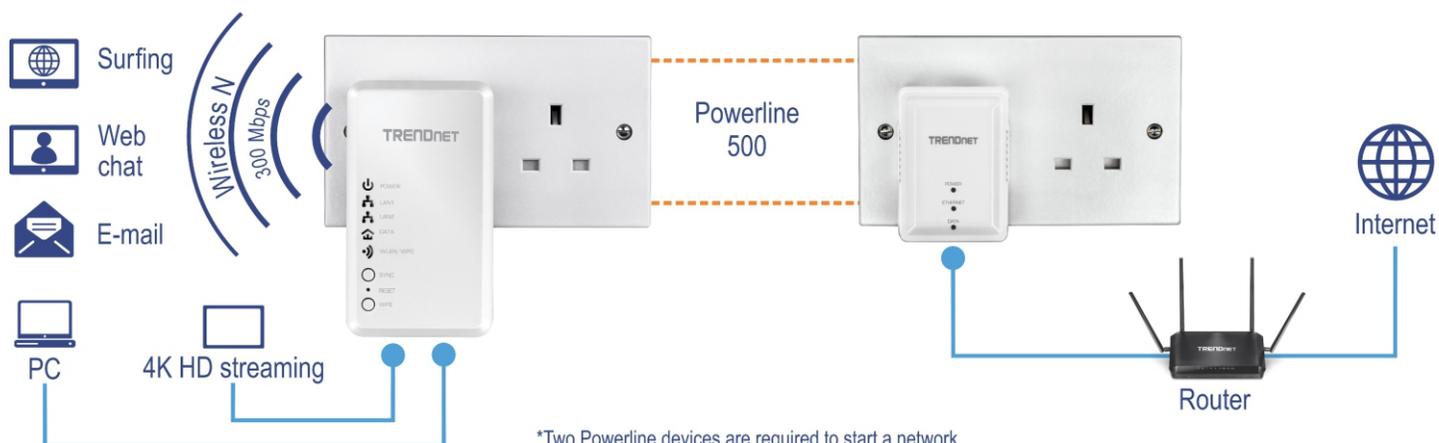
Connect all of your WiFi N devices to a WiFi N network.



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 Wireless N 300



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

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 ports 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.)

Warranty

- 3 year limited

Package Contents

- TPL-410AP
- Quick Installation Guide
- 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.

