



Powerline 500 AV Wireless Access Point TPL-410AP (v1.0R)

- Create or expand a wireless network with this Powerline adapter
- 500 Mbps Powerline and 300 Mbps Wireless N
- Easy no-CD installation
- Two convenient Ethernet ports
- Two Powerline devices are required to start a network

TRENDnet's Powerline 500 AV Wireless 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 high performance wireless network.

Powerline



Auto-Connect Powerline

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



Sync Button

Press the Sync 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 Ports

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



Cross Compatible

TRENDnet Powerline 500 and 200 adapters work together



Whole Home Coverage

Connects over electrical lines for houses up to 5000 square foot home (300 m/984 ft. linear distance over electrical lines)

Wireless



Quick Setup

Get up and running in minutes with the intuitive guided setup



N300 Wireless

Proven 300 Mbps Wireless N



Wireless Coverage

Expanded wireless coverage with MIMO antenna technology



Pre-Encrypted

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



One Touch Connection

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



Compatibility

Compatible with legacy 2.4 GHz Wireless devices

Networking Solution



HD movies



HD streaming



PC



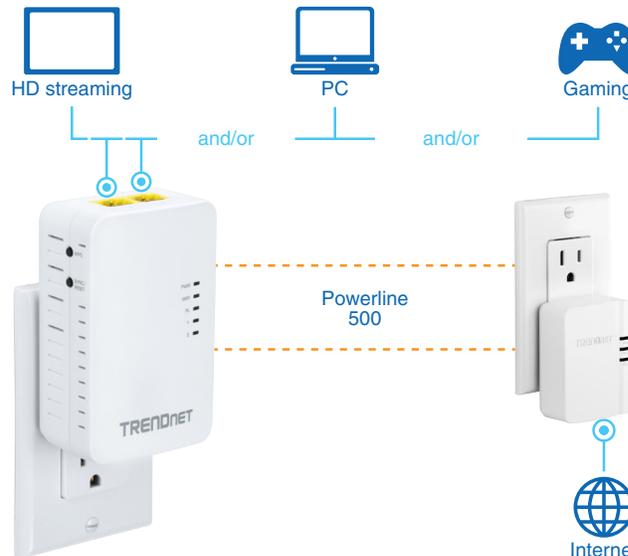
Gaming



Surfing



E-mail



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/HomePlug® AV

Device Interface

- 2 x 10/100 Mbps ports
- Sync/reset button
- WPS button
- Power switch
- LED indicators
- Power Plug (A: North America Type B (NEMA 5-15); EU: European Type C (CEE 7/16); UK: United Kingdom Type G (BS 1363))

Frequency Band

- 2 - 68 MHz

Networking Distance

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

Security

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

Utility OS Compatibility (optional)

- Windows® 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 dBm (typical)/-65 dBm (typical) @ 54 Mbps
- 802.11n: 14 dBm (typical)/-61 dBm (typical) @ 300 Mbps

Power

- Input: 100 - 240 V AC, 50 - 60 Hz, 0.2 A
- Consumption: Active mode: 8 Watts (max.)

Operating Temperature

- 0 - 40°C (32 - 104°F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- CE
- FCC

Dimensions

- A: 65 x 100 x 55 mm (2.56 x 3.94 x 1.97 in.)
- EU: 65 x 100 x 77 mm (2.56 x 3.94 x 3.03 in.)
- UK: 65 x 100 x 70 mm (2.56 x 3.94 x 2.76 in.)

Weight

- A: 153 g (5.4 oz.)
- EU: 164 g (5.8 oz.)
- UK: 168 g (5.9 oz.)

Warranty

- 3 year limited

Package Contents

- TPL-410AP
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Network cable (1.8 m/6 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.

