



Powerline 500 AV2 Adapter

TPL-408E (v1.0R)

- Up to 600 Mbps Powerline networking with Homeplug AV2 technology
- TRENDnet adapters auto-connect out of the box
- Pre-encrypted for your security
- High performance Gigabit port
- Power Save mode reduces electrical consumption by up to 80%

TRENDnet's Powerline 500 AV2 Adapter, model TPL-408E, uses an electrical outlet to create a Powerline network. No CD installation required—encrypted TRENDnet adapters auto-connect out of the box. Two adapters are needed to start a network. Connect one adapter to a router and plug in another adapter on your electrical system for instant internet access.

Ease of Use



No CD Installation

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



Cross Compatible

TRENDnet Powerline 600, 500, and 200 adapters work with each other



Compact

Compact form factor saves space around a crowded electrical outlet

Security



Pre-Encrypted

For your security the adapter arrives pre-encrypted



Sync Button

Press the Sync button to change existing encryption keys

Performance



Powerline 500

Powerline networking over existing electrical lines



Whole Home Coverage

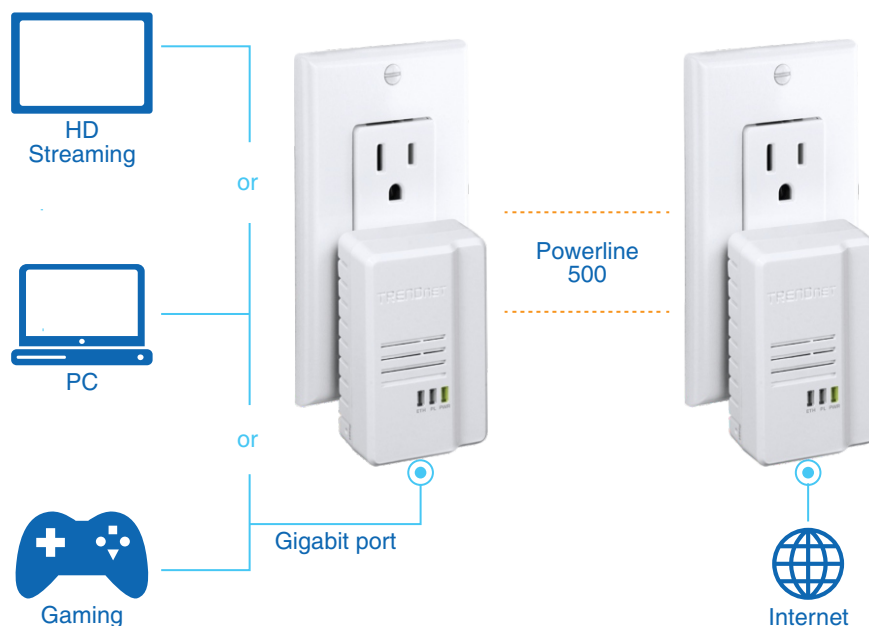
Connects over electrical lines for distances of up to a 5000 square foot home (300 m/984 ft.)



Energy Savings

Power Save mode reduces electrical consumption by up to 80%

Networking Solution



Specifications

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 1901/HomePlug AV2
- HomePlug 1.0

Device Interfaces

- Gigabit Ethernet port
- Sync (changes encryption key)/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

- Up to 600 Mbps**

Networking Distance

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

Security

- 128-Bit AES (Advanced Encryption Standard)

Utility OS Compatibility

- Windows® 8.1, 8, 7, Vista and XP

Power

- Input: 100 - 240 V AC, 50 /60 Hz
- Consumption: Active mode: 3.9 Watts (max.); Standby mode: 0.4 Watts (max.)

Operating Temperature

- 0 – 40°C (32 – 104°F)

Operating Humidity

- Max. 90 % non-condensing

Certifications

- CE
- FCC
- HomePlug AV

Dimensions

- A: 55 x 87 x 51 mm (2.2 x 3.4 x 2 in.)
- EU: 55 x 87 x 65 mm (2.2 x 3.4 x 2.6 in.)
- UK: 55 x 87 x 58 mm (2.2 x 3.4 x 2.3 in.)
- A: 84 g (3 oz.)
- EU: 88 g (3.1 oz.)
- UK: 90 g (3.2 oz.)

Warranty

- 3 year limited

Package Contents

- TPL-408E
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Network cable (1.5 m/5 ft.)

* Maximum of 8 adapters (nodes) recommended for streaming video across your network

** 600 Mbps is the maximum physical Powerline data rate. Data throughput may vary by circuit wire condition overheads.

*** Powerline communication works only single area electric circuit. (Usually controlled by a single power breaker.)