TRENDnet®

Powerline 500 AV2 Adapter Kit
TPL-408E2K (v1.0R)

• Included two TPL-408E adapters

• 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 80%

TRENDnet's Powerline 500 AV2 Adapter Kit, model TPL-408E2K, comes with two Powerline adapters to create a high performance Powerline network using an existing electrical system. No CD installation required—encrypted TRENDnet adapters auto-connect out of the box. 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

Performance

Powerline 500
500 Mbps Powerline networking over existing electrical lines

Whole Home Coverage
Connects over electrical lines for distances of up to a 5,000 sq. ft. home or 300 m (980 ft.) linear distance over electrical power lines

Energy Savings
Power Save mode reduces electrical consumption by up to 80%
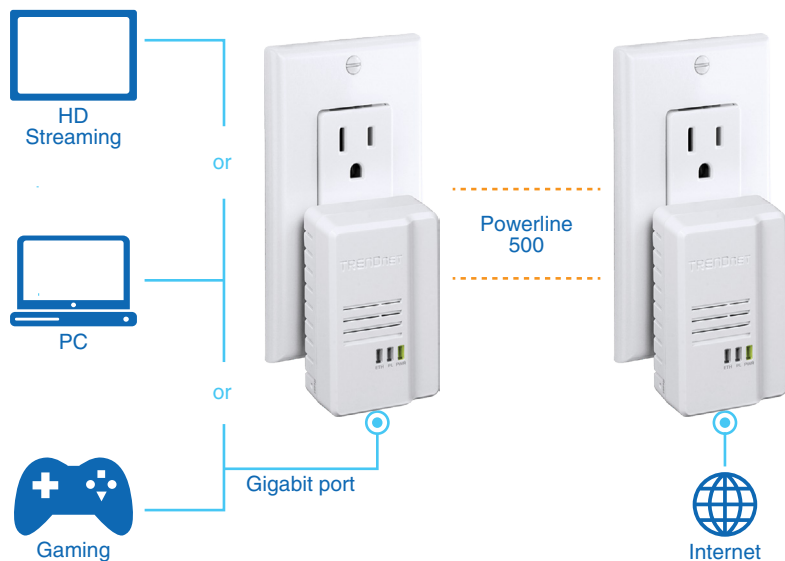
Security

Pre-Encrypted
For your security the adapter arrives pre-encrypted

Sync Button
Press the Sync button to change existing encryption keys

Networking Solution

HD Streaming

or

PC

or

Gaming

Gigabit port

Powerline 500

Internet

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

- 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, 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 (per unit)

- 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.)

Weight (per unit)

- A: 84 g (3 oz.)
- EU: 88 g (3.1 oz.)
- UK: 90 g (3.2 oz.)

Warranty

- 3 year limited

Package Contents

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

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

** 500 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.)

**** Power strip, GFCI outlets and AFCI circuit breakers will degrade Powerline network signals.