



## 200Mbps Compact Powerline AV Adapter Kit TPL-306E2K (V1.0R)

The 200Mbps Compact Powerline AV Adapter Kit, model TPL-306E2K, uses any electrical outlet to create a secure high speed building-wide network. Connect one adapter to your existing network and plug the other adapter in to any outlet on your electrical system for instant high speed network access throughout your home.

The compact form factor offers more space around electrical outlets for other devices. Adapters connect automatically with no installation required. For added security, TRENDnet recommends using the one-touch connect button to change the default network key.

Use up to 6 adapters to network devices in different rooms without the need for new cabling. Power Save mode reduces power consumption by up to 80%. LED displays convey device status for easy power management and troubleshooting. Quality of Service technology prioritizes video, audio, and online gaming. Advanced AES encryption secures your network. This adapter is ideal for use in buildings that interfere with wireless networking signals.

## FEATURES

- Includes two TPL-306E adapters
- Compliant with the HomePlug® AV and IEEE 1901 standard
- 200Mbps building-wide networking over an existing electrical system
- 1 x 10/100Mbps Auto-MDIX Ethernet port
- Compact form factor saves space
- One-touch Sync button to change the default encryption key
- Three LED indicators: Power (on/off), Powerline Connection (green (best), amber (better), red (good), off(no connection)), Ethernet Connection (solid (connection), blinking (transfer activity), off (no connection))
- Share data intensive files, play games, download music and more at faster data transfer rates
- Advanced 128-bit AES encryption to ensure total network security
- Power Saving mode reduces electrical consumption by 80%
- Neighbor network support for up to 4 overlapping networks
- Network signal transmits up to 300 meters (984ft.)
- Auto QoS support through traffic classification and multiple priority queuing
- Compatible with all operating systems
- Optional management utility compatible with Windows 7 (32/64-bit), Vista (32/64-bit), and XP (32/64-bit) operating systems
- 3-year limited warranty

\* Maximum of 6 adapters (nodes) for streaming video across your network

\*\* 200Mbps is the maximum theoretical Powerline data rate. Actual throughput will vary depending on environment

\*\*\* Networked Powerline devices need to be plugged into power outlets that are on the same electrical system

\*\*\*\* GFCI outlets and AFCI circuit breakers may degrade Powerline network signals



## SPECIFICATIONS

### HARDWARE

<b>Standards</b>	<ul style="list-style-type: none"><li>• IEEE 802.3, IEEE 802.3x, IEEE 802.3u, HomePlug® AV, IEEE 1901</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 1 x 10/100Mbps Auto-MDIX RJ-45 port</li><li>• Power prong:<ul style="list-style-type: none"><li>• A: North America Type B (NEMA 5–15)</li><li>• EU: Euro Type C (CEE 7/16)</li><li>• UK : United Kingdom Type G (BS 1363)</li></ul></li></ul>
<b>Frequency Band</b>	<ul style="list-style-type: none"><li>• 2 ~ 28 MHz</li></ul>
<b>Modulation</b>	<ul style="list-style-type: none"><li>• OFDM Symbol Modulation on link synchronization, 1024/256/64/8 - QAM, QPSK, BPSK, ROBO Carrier</li></ul>
<b>Protocol</b>	<ul style="list-style-type: none"><li>• TDMA and CSMA/CA</li></ul>
<b>Speed</b>	<ul style="list-style-type: none"><li>• Powerline: Up to 200Mbps**</li><li>• Ethernet: Up to 200Mbps (Full Duplex mode)</li></ul>
<b>Utility OS Compatibility</b>	<ul style="list-style-type: none"><li>• Windows 7 (32/64-bit), Vista (32/64-bit), XP(32/64-bit)</li></ul>
<b>Nodes</b>	<ul style="list-style-type: none"><li>• Up to 6 (max.)</li></ul>
<b>Overlapping Powerline Networks</b>	<ul style="list-style-type: none"><li>• Up to 4 (per electrical system)</li></ul>
<b>Coverage</b>	<ul style="list-style-type: none"><li>• Up to 300 m (984 ft.)</li></ul>
<b>Security</b>	<ul style="list-style-type: none"><li>• 128-Bit AES (Advanced Encryption Standard)</li></ul>
<b>LED</b>	<ul style="list-style-type: none"><li>• Power (PWR)</li><li>• Powerline (PL) Connection<ul style="list-style-type: none"><li>• Best (Green)</li><li>• Better (Amber)</li><li>• Good (Red)</li><li>• No connection (Off)</li></ul></li><li>• Ethernet (ETH) Connection<ul style="list-style-type: none"><li>• Solid</li><li>• Blinking</li><li>• Off</li></ul></li></ul>
<b>Buttons</b>	<ul style="list-style-type: none"><li>• Sync, Reset</li></ul>
<b>Dimension (L x W X H)</b>	<ul style="list-style-type: none"><li>• A: 55 x 87 x 51 mm (2.2 x 3.4 x 2 in.) per unit</li><li>• EU: 55 x 87 x 65 mm (2.2 x 3.4 x 2.6 in.) per unit</li><li>• UK: 55 x 87 x 58 mm (2.2 x 3.4 x 2.3 in.) per unit</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• A: Total Weight: 148 g (5.2 oz) / Per Unit Weight: 74 g (2.6 oz)</li><li>• EU: Total Weight: 158.8 g (5.6 oz) / Per Unit Weight: 79.4 g (2.8 oz)</li><li>• UK: Total Weight: 170g (6 oz) / Per Unit Weight: 85 (3 oz)</li></ul>
<b>Power Source</b>	<ul style="list-style-type: none"><li>• 100~240V AC, 50~60Hz</li></ul>

# 200Mbps Compact Powerline AV Adapter Kit

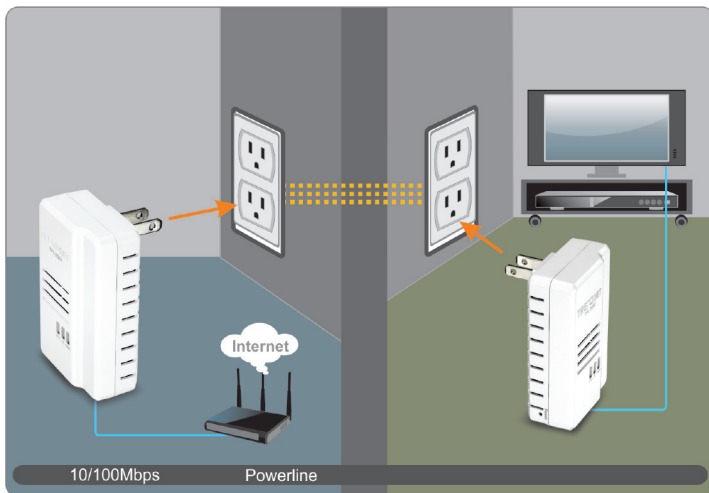
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## HARDWARE

<b>Consumption</b>	<ul style="list-style-type: none"><li>• Active mode: 3.1 Watts (max.)</li><li>• Standby mode: 0.5 Watts (max.)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° ~ 40°C (32° ~ 104°F)</li><li>• Storage: -20° ~ 70°C (-4° ~ 158°F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max. 90% (non-condensing)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC, HomePlug® AV</li></ul>

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

- 2 x TPL-306E
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- 2 x network cables (1.5 m / 5 ft.)

## RELATED PRODUCTS

<b>TEW-692GR</b>	450Mbps Concurrent Dual Band Wireless N Router
<b>TPL-307E2K</b>	200Mbps Powerline AV Adapter Kit with Bonus Outlet
<b>TPL-402E2K</b>	500Mbps Powerline AV Adapter Kit with Bonus Outlet

## CONTACT INFORMATION

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