



## TPL-423E2K (V1.0R)

### SETUP INFO

UPC #	710931150513
Master Carton UPC #	10710931150510
Product Page	<a href="http://www.trendnet.com/products/proddetail.asp?prod=120_TPL-423E2K">http://www.trendnet.com/products/proddetail.asp?prod=120_TPL-423E2K</a>
Additional Images	<a href="http://www.trendnet.com/support/supportdetail.asp?prod=120_TPL-423E2K">http://www.trendnet.com/support/supportdetail.asp?prod=120_TPL-423E2K</a>
Alternate Product Name	Powerline 1300 AV2 Adapter Kit with Built-in Outlet, Gigabit Port, IEEE 1905.1 & IEEE 1901, Homeplug AV2
Key Search Words	Powerline 1300 Adapter, Powerline Kit, Powerline adapter kit, Powerline starter kit, Built-in Outlet, Bonus Outlet, PLC, PLC Adapter, Gigabit port, Homeplug AV2, IEEE 1905.1, IEEE 1901, Homeplug AV, Powerline AV Adapter, TPL-423E, Powerline 1200, Powerline 600 , Powerline 500 , Powerline 200 , Powerline
Unit Dimensions	19.3 x 16.6 x 8.5cm (8 x 7 x 4 in.)
Unit Weight	0.80kg (1.82 lbs.)
Unit Qty per Case	20
Case Dimension	45 x 35 x 41cm (18 x 14 x 17 in.)
Case Weight	14.54kg (33 lbs.)
Harmonized Tariff Code	8517620050
ECCN	5A992
Country of Origin	China
Product Availability Date	March 2018
Warranty	3 year
MSRP	\$94.99

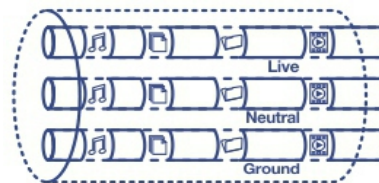
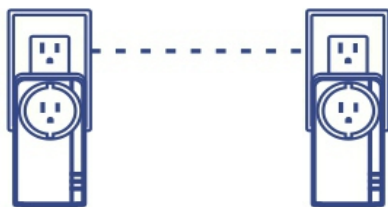


## Powerline 1300 AV2 Adapter Kit with Built-in Outlet

TPL-423E2K (v1.0R)

- Includes two TPL-423E adapters
- Powerline 1300 networking over existing electrical lines
- Powerline noise filter minimizes interference from powered devices
- Built-in electrical outlet
- Enhanced Powerline performance and coverage from MIMO with Beamforming technology
- Encrypted TRENDnet adapters auto-connect out of the box
- Gigabit port for high-speed connectivity
- Powerline range up to 300m (984 ft.)
- Two Powerline adapters are required to start a network
- Cross compatible with Powerline 1200, 600, 500, and 200 adapters

TRENDnet's Powerline 1300 AV2 Adapter Kit with Built-in Outlet, model TPL-423E2K, comes with two Powerline adapters to create a high-speed Powerline 1300 network using your home's existing electrical system. Two adapters are needed to start a network. TRENDnet adapters are protected with 128-bit AES encryption. Plug in the first adapter and network it to your existing router. Plug in other adapters on the same electrical system and they will auto-connect to the first adapter for instant internet access. Avoid losing a power outlet by using the built-in electrical outlet to power other devices.



## Built-in Outlet

Avoid losing a power outlet by using the built-in electrical outlet to power other devices.

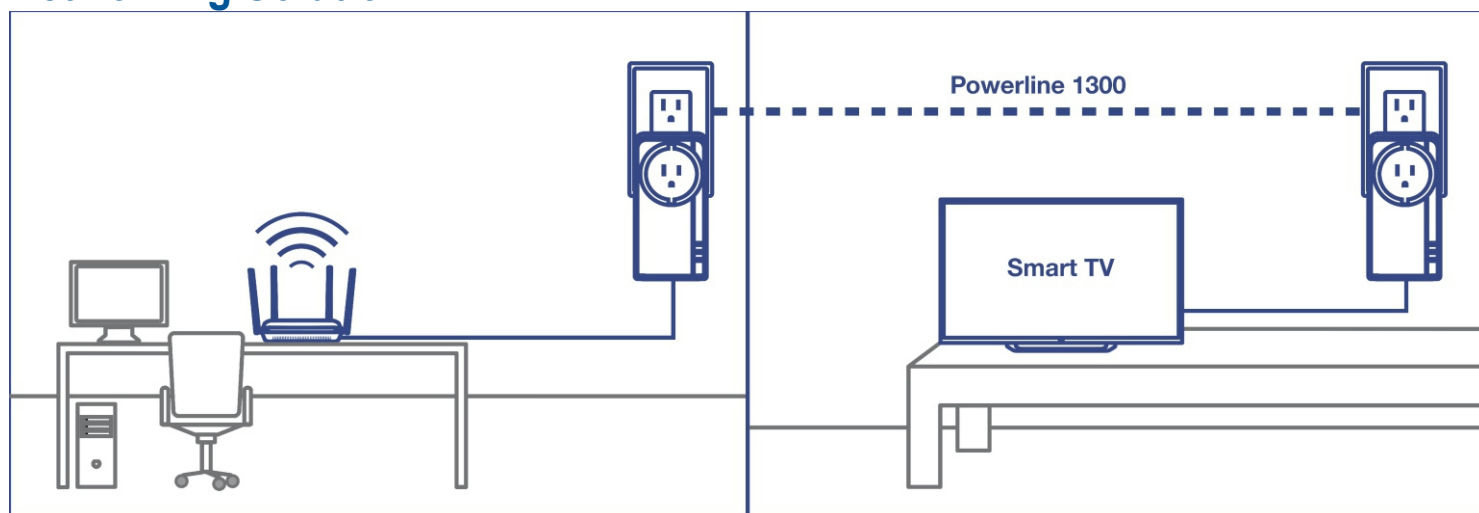
## High-Speed Powerline 1300

Powerline 1300 technology and a gigabit port deliver fast and stable networking to seamlessly connect devices and stream 4K video.

## MIMO Technology

Multiple Input Multiple Output (MIMO) with Beamforming technology uses live, neutral, and ground wires to increase performance between adapters.

## Networking Solution



### Sync Button

Press the Sync button to change existing Powerline encryption keys



### Cross Compatibility

Cross compatible with Powerline 1200, 600, 500, and 200 adapters



### Easy Installation

TRENDnet adapters auto-connect out of the box



### Powerline 1300

Powerline 1300 technology delivers fast and stable networking to seamlessly connect devices and stream 4K video.



### Expandable

Use up to 8 adapters on a single Powerline network



### MIMO with Beamforming Technology

Multiple Input Multiple Output (MIMO) with Beamforming technology uses live, neutral, and ground wires to increase performance between adapters.



### Gigabit Port

Gigabit port for computers, smart TVs, or other network enabled devices



### 128-bit AES Encryption

Powerline communication is protected with 128-bit AES encryption

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3ab</li> <li>• IEEE 1901</li> </ul>	<b>Special Features</b>	<ul style="list-style-type: none"> <li>• Built-in power socket</li> <li>• Auto-connects to other TRENDnet Powerline adapters</li> <li>• IPv6 support</li> <li>• IGMP / MLDv2 Streams</li> </ul>
<b>Device Interface</b>	<ul style="list-style-type: none"> <li>• 1 x Gigabit LAN port</li> <li>• Sync button</li> <li>• Reset button</li> <li>• LED indicators</li> <li>• Built-in electrical power socket with noise filter North America Type B (NEMA 5–15) (10A max. @ 120V AC)</li> </ul>	<b>Optional Utility: OS Compatibility</b>	<ul style="list-style-type: none"> <li>• Windows® 10, 8.1, 8, 7, Vista, XP</li> </ul>
<b>Power plug</b>	<ul style="list-style-type: none"> <li>• North America Type B (NEMA 5–15)</li> </ul>	<b>Power</b>	<ul style="list-style-type: none"> <li>• Input: 100 - 240V AC, 50-60Hz</li> <li>• Consumption: Active mode: 4W (max.); Standby mode: 0.5W (max.)</li> </ul>
<b>Frequency Band</b>	<ul style="list-style-type: none"> <li>• 2 – 67.5MHz</li> </ul>	<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• 0 – 50°C (32 – 122°F)</li> </ul>
<b>Modulation/ Protocol</b>	<ul style="list-style-type: none"> <li>• OFDM, 4096/1024/256/64/16/8-QAM, QPSK, BPSK, ROBO, HS-ROBO, Mini-ROBO</li> <li>• CSMA/CA</li> </ul>	<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• Max. 90 % non-condensing</li> </ul>
<b>Data PHY Rate</b>	<ul style="list-style-type: none"> <li>• Up to 1300Mbps</li> </ul>	<b>Certifications</b>	<ul style="list-style-type: none"> <li>• FCC</li> <li>• IC</li> <li>• ETL</li> </ul>
<b>Networking Distance</b>	<ul style="list-style-type: none"> <li>• Powerline: Up to 300m (980ft.) linear distance over electrical power lines***</li> </ul>	<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 120 x 60 x 65mm (4.73 x 2.4 x 2.6 in.)</li> </ul>
<b>Encryption</b>	<ul style="list-style-type: none"> <li>• 128-Bit AES (Advanced Encryption Standard)</li> </ul>	<b>Weight</b>	<ul style="list-style-type: none"> <li>• 176g (6.2 oz.)</li> </ul>
<b>Powerline Nodes</b>	<ul style="list-style-type: none"> <li>• Up to 8 (max.)</li> </ul>	<b>Warranty</b>	<ul style="list-style-type: none"> <li>• 3 year</li> </ul>
<b>Overlapping Powerline Networks</b>	<ul style="list-style-type: none"> <li>• Up to 4 (per electrical system)</li> </ul>	<b>PACKAGE CONTENTS</b> <ul style="list-style-type: none"> <li>• 2 x TPL-423E</li> <li>• Quick Installation Guide</li> <li>• CD-ROM (Utility &amp; User's Guide)</li> <li>• 2 x Network cable (1.5 m/5 ft.)</li> </ul>	

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

\*\* 1.3 Gbps is the maximum theoretical Powerline data rate when connected to another Powerline 1300 device. Data throughput may vary by circuit wire conditions. If an electrical system does not have a grounded connection, the theoretical networking speed is reduced to 650 Mbps.

\*\*\* Powerline communication works on a single electrical system. (Usually controlled by a single distribution panel). Power strip, GFCI outlets, and AFCI circuit breakers may degrade Powerline network signals.