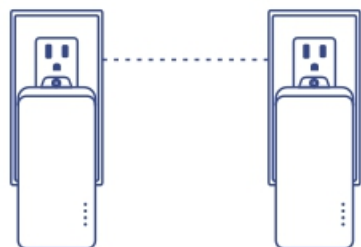


Powerline 200 AV PoE+ Adapter Kit

TPL-331EP2K (v1.0R)

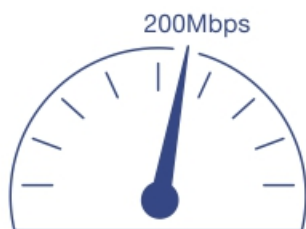
- Includes two TPL-331EP adapters – each adapter supports a single PoE+ connection
- Powerline 200 networking over existing electrical lines
- PoE+ output port for connecting a PoE device over a Powerline network
- Encrypted TRENDnet adapters auto-connect out of the box
- Powerline range of up to 300m (984 ft.) over existing electrical lines
- Cross compatible with Powerline 1200, 600, and 500 adapters
- An existing Powerline network is recommended

TRENDnet's Powerline 200 AV PoE+ Adapter Kit, model TPL-331EP2K, comes with two PoE+ Powerline adapters that add PoE+ capabilities to your existing Powerline network. Each adapter features a single PoE+ output port to connect PoE+ devices such as IP cameras, wireless access points and VoIP handsets over a Powerline network. Two adapters are needed to start a network. Encrypted TRENDnet adapters auto-connect out of the box.



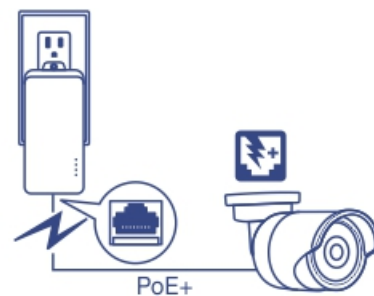
Simple Plug-in Installation

No configuration needed! Simply plug in TRENDnet Powerline adapters and they will auto-connect right out of the box.



Powerline 200

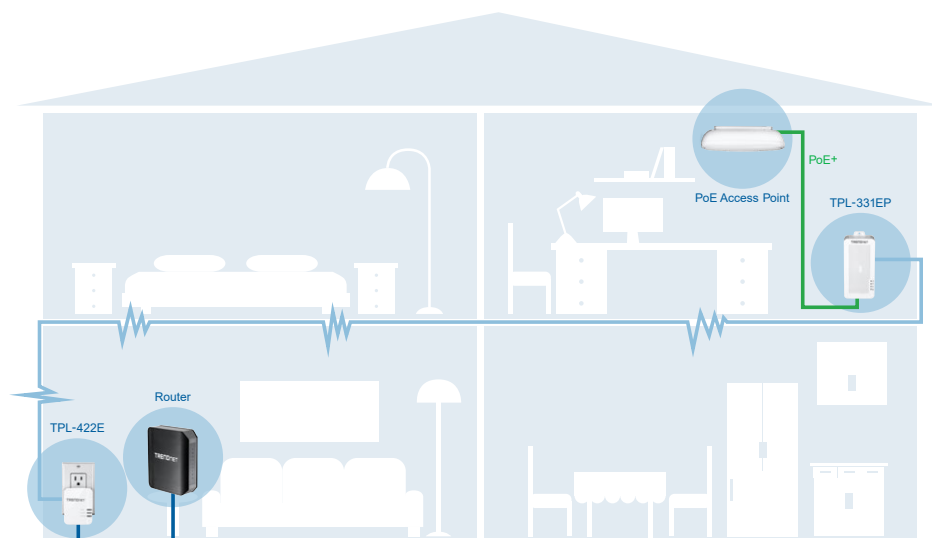
Powerline 200 technology delivers fast and stable networking to seamlessly connect devices.



PoE+ Port

Features a PoE+ output port for connecting PoE devices such as IP cameras, wireless access points and VoIP handsets over a Powerline network.

Networking Solution





Sync Button

Press the Sync button to change existing Powerline encryption keys



Powerline 200

Powerline 200 technology delivers fast and stable networking to seamlessly connect devices.



PoE+ Port

Features a PoE+ output port for connecting PoE devices such as IP cameras, wireless access points and VoIP handsets over a Powerline network.



Cross Compatibility

Cross compatible with Powerline 1300, 1200, 600, and 500 adapters



Expandable

Use up to 8 adapters on a single Powerline network



Easy Installation

TRENDnet adapters auto-connect out of the box



128-bit AES Encryption

Powerline communication is protected with 128-bit AES encryption

Specifications

Standards	<ul style="list-style-type: none"> • IEEE 802.3 • IEEE 802.3u • IEEE 802.3x • IEEE 802.3af • IEEE 802.3at • IEEE 1901
Device Interface	<ul style="list-style-type: none"> • 1 x 10/100Mbps PoE+ port • Sync button • Reset button • LED indicators
Frequency Band	<ul style="list-style-type: none"> • 2 – 28MHz
Modulation/Protocol	<ul style="list-style-type: none"> • OFDM, 1024/256/64/16/8-QAM, QPSK, BPSK, ROBO • CSMA/CA, CSMA
Data PHY Rate	<ul style="list-style-type: none"> • Up to 200Mbps
Networking Distance	<ul style="list-style-type: none"> • Powerline: Up to 300m (980ft.) linear distance over electrical power lines***
Encryption	<ul style="list-style-type: none"> • 128-Bit AES (Advanced Encryption Standard)
Powerline Nodes	<ul style="list-style-type: none"> • Up to 8 (max.)
Overlapping Powerline Networks	<ul style="list-style-type: none"> • Up to 4 (per electrical system)
Special Features	<ul style="list-style-type: none"> • Auto-connects to other TRENDnet Powerline adapters • IPv6 support • IGMP / MLDv2 Streams
Power	<ul style="list-style-type: none"> • Input: 100 - 240V AC, 50-60Hz • Consumption: Active mode: 2.3W (max.); Standby mode: 1.7W (max.) • PoE Budget: 30 Watts (max.)
PoE Delivery	<ul style="list-style-type: none"> • Pin 1, 2 for power+ and pin 3, 6 for power- (mode A)
Operating Temperature	<ul style="list-style-type: none"> • 0 – 55°C (32 – 131°F)
Operating Humidity	<ul style="list-style-type: none"> • Max. 93 % non-condensing
Certifications	<ul style="list-style-type: none"> • FCC • IC
Dimensions	<ul style="list-style-type: none"> • 156 x 67 x 43 mm (6.14 x 2.6 x 1.7 in.)
Weight	<ul style="list-style-type: none"> • 205g (7.2 oz.)
Warranty:	<ul style="list-style-type: none"> • 3 year

PACKAGE CONTENTS

- 2 x TPL-331EP
- Quick Installation Guide
- 2 x Network cable (1.2m/4 ft.)

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

** 200 Mbps is the maximum theoretical Powerline data rate when connected to another Powerline device. Data throughput may vary by circuit wire conditions.

*** 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.