

Top 5 Powerline Adapter for the best home network 2018

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Instead of having to run a 100 ft Ethernet cable from one room to another, you should consider using a powerline adapter. Powerline adapters can be plugged into a standard drive and use wiring to transfer network traffic. But which type of powerline adapter is the best on the market? This article will introduce you to the best 5 powerline adapters for your home network.

How to choose Powerline adapter

Before going into the details of the best powerline adapters, you consider exactly what you are really looking for. When considering buying a powerline adapter you should consider the following:

Speed : The first thing you should consider is the speed of the powerline adapter. The transfer speed of powerline adapters starts at a low level of 200Mbps and an average of 500-1000Mbps. The maximum speed can be up to 3000Mbps.

Speed requirements depend on the maximum speed of the Internet connection and the actual usage speed. With data transfer rates for video, audio and other high-quality media, powerline adapter speeds below 500Mbps all make the network slower.

Connection: The Powerline adapter comes with a few basic connections. Powerline adapters with speeds above 500Mbps will use Gigabit Ethernet ports to allow faster speeds. A power outlet on the device that allows current to pass through (pass-through power socket) is also very convenient, you can use a regular plug with a powerline adapter. In addition, some powerline adapters can double the Wifi repeater, thereby expanding the range of WiFi networks.

Distance : The distance between powerline adapters also makes a difference. Powerline adapters have a theoretical distance limit of about 100 feet. Although this distance is quite far away, you may experience some data transfer problems at the critical points.

Price: Obviously you don't want to buy a powerline adapter that doesn't deserve the money. The prices of these powerline adapters are varied, but the basic powerline adapter does not exceed \$ 50. The price of high-end models can be up to 200USD. If you see a powerline adapter that has a higher price, you should ask, are you cheated?

Buyers also need to remind others such as indoor wiring, whether old wires have slower speeds, etc.

Also, you should consider how the wires work from one floor to another or even in different rooms. Many older powerline adapter cannot transmit from one circuit to another, this can reduce your choice. However, the newer HomePlug AV2 standard uses higher signal frequencies and is more likely to pass from one circuit to another.

The best Powerline adapters

Here are the best powerline adapters you can consider.

1. TP-Link AV2000 (TL-WPA9610) (USD 149.99)



TP-Link AV2000 (TL-WPA9610) is one of the best powerline adapters on the market. Features of TL-WPA9610:

1. Data transfer up to 2000Mbps
2. Dual band Wi-Fi with auto-sync feature
3. Dual Gigabit Ethernet port
4. AES 128 bit encryption
5. HomePlug AV2 standard

6. Compatible with other AV series powerline adapter

In addition, you can manage TL-WPA9610 with tpPLC smartphone application. The application allows control of powerline network settings, such as scheduling Wifi so you can turn off Wifi for children at night or remotely reset a broken connection. Although there is no outlet on the device, dual band Wifi and price can compensate for this shortcoming.

2. TP-Link AV2000 (TL-PA9020P) (USD 74.99)



Next on this list is the powerline adapter TP-Link AV2000. The TP-Link AV2000 (TL-PA9020P) has the same product specifications as TL-WPA9610, but there are two major differences:

1. Data transfer up to 2000Mbps
2. Dual Gigabit Ethernet port
3. 2X2 MIMO with beamforming (adjust data transmission to allow multiple simultaneous connections, similar to MU-MIMO routers)
4. AES 128 bit encryption
5. HomePlug AV2
6. Compatible with other AV series powerline adapters

Although TL-PA 9020P has a socket on the device, but it lacks Wifi. However, you can easily pair the powerline adapters TL-PA9020P and TL-WPA9610. In particular, TL-PA9020P is a powerline adapter that has great, basic features at a reasonable price.

3. D-Link AV2 1000 (DHP-601AV) (USD 44.99)



If you need to connect a device to the router, you should buy a one-port powerline adapter. D-Link AV2 1000 (DHP-601AV) is one of the basic powerline adapters, capable of high-speed data transfer at a very low price. Its features include:

1. Data transfer up to 1000Mbps
2. Single Gigabit Ethernet port
3. AES 128 bit encryption
4. HomePlug AV2

DHP-601AV allows quick connection between router and computer, smart TV or game console. Unfortunately, it does not have a socket on the device or Wifi.

4. D-Link AV2 2000 HD (DHP-701AV) (78.78 USD)



If the basic D-Link Powerline adapter is not suitable for you, you can upgrade to the next model of the D-Link AV2 series: D-Link AV2 2000 HD (DHP-701AV). DHP-701AV is also small in size, but unlike DHP-601AV, it has integrated WiFi.

1. Data transfer up to 1900Mbps
2. Single Gigabit Ethernet port
3. WIFI
4. AES 128 bit encryption
5. HomePlug AV2
6. MIMO
7. Built-in power saving mode (convert the adapter to sleep mode when not transmitting data for a certain period of time)

DHP-701AV enhances indoor WiFi signal as well as provides wired connection.

5. Extollo LANSocket 1500 (89.99 USD)



Extollo LANSocket 1500 is a lesser known powerline adapter than TP-Link and D-Link adapters but it is often on the 'best' list. This model features:

1. Data transfer up to 2000Mbps
2. Single Gigabit Ethernet port
3. AES 128 bit encryption
4. HomePlug AV2
5. MIMO with beamforming
6. There is a socket on the device

Extollo LANSocket is a powerline adapter with no integrated Wifi but with socket and fast data transfer rate.

See more:

1. 7 things affect the speed of WiFi network
2. Basic knowledge to set up a home wireless network
3. How to secure your wireless network in your home

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