

---

## **AV600 Powerline Ethernet Adapter with PoE&DC output**

Model: 7PE150



### **Introduction:**

7PE150 poe powerline adapter is an economic type PoE integrated in powerline adapter designed for security market, adds PoE function on our 7HP200 design, make use of existing household power supply to connects computers and other IP-enabled devices, and simultaneously supplies the PoE compatible devices such as Access Points / camera / LED information display / LED -Counter / PoE LED lamps etc..

7PE150 AV600 powerline adapter with PoE adopts Atheros and PoE dual chip (Not MCU) integrated design. With high integration and small size feature. It can provide up to 600Mbps powerline transmission rate, stable work and reliable performance, meanwhile it provides 802.3at 48-54V PoE supply to devices.

Additionally it also offer another DC12V/1A power output for user's optional use.

Just plug and wait for seconds, and the connection is established, the 128 bit AES encryption ensures easy handling, and it provides up to 500Mbit / s bandwidth speed for IPTV, HD video streaming, VoIP, video surveillance.

### **Plug&Play**

Since adapters are paired already when out of factory, users no need to do any configuration, things will work with real Plug & Play. Just simply plug powerline adapter into a power socket and we can establish networking infrastructure in a flash.

### **PoE injector built-In**

Built-in IEEE802.3at compliant PoE Injector to provide 48-54V classification power via CAT5E / CAT6

### **DC12V/1A additional power output**

It offer another DC12V/1A power output for user's optional use.

## Speed

With physical layer speed up to 600Mbps, this easy-to-setup solution can provide fast streaming HD video, online multiplayer games, and other data intensive activities for specially cctv camera use.

## Secure

7PE150 is guaranteed with 128-bit AES encryption for network security and data protection.

## Features:

1. Support up to 14 nodes.
2. Support IEEE802.3, IEEE802.3u, standards;
3. PoE port supports IEEE802.af/at 30W standard
4. DC12V/1A optional power output available.
5. Support HomePlug AV;
6. Transmit data through the existing powerline, providing a transmission rate of up to 600Mbps;
7. Support 300meters (powerline) transmission distance (within the same meter range);
8. Support 128-bit AES encryption to ensure the security of network data transmission;
9. Support any operating system, including Mac, Linux;
10. Support fault self-recovery;
11. Support PLC filtering, over current and lightning protection(customers are free to choose);
12. Provide a 10/100Mbps adaptive Ethernet RJ45 port (PoE); The RJ45 port supports Auto MDI/MDIX function;

## Specification:

Interface	1x10/100Mbps PoE Ethernet 1xPower outlet integrated
Indicator	Data
Plug	EU/US/UK/AU
Protocols	TCP/IP, IGMP, CSMA/CA, QoS
Standard	IEEE 802.3 IEEE 802.3u 10/100Ethernet Standard IEEE802.3af/at
Encryption	AES 128-bit
Power Supply Unit	100v-240v AC
Power over Ethernet	≦ 30W/802.3at
Power Save	Compliance with EuP
Frequency	2-68MHz
Modulation	OFDM (1024/256/64/16-QAM,QPSK,BPSK and ROBO)
PHY Speed	600 Mbps
Distance	300Meters
Package Contents	Powerline with PoE*1 Quick Installation Guide*1

System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8 Windows 10, Linux, Mac OS
Environment	Operating Temperature: 0~70 °C (32 °F~104°F) Storage Temperature: -20~70 °C (-4 °F~158°F) Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90%

**Topological Diagram:**

