D-Link
Building Networks for People

Product Highlights

High Speed Over Electrical Wiring

The DHP-P308AV allows for speeds beyond Fast Ethernet through your home electrical wiring, giving you the bandwidth you need for HD video streaming

Seamless Integration Into Your Home

Make the most of your home power grid as the pass-through power socket allows you to plug any appliance into the device

Compact Size

Small size allows the adapter to be less obstructive and able to be conveniently used in many locations in your home or office

DHP-P308AV

PowerLine AV 500 Passthrough Mini Adapter

Features

Standards

- IEEE 802.3
- IEEE 802.3u
- Powerline interface compatible with IEEE 1901 and HomePlug AV

Connectivity

- 10/100 Fast Ethernet port
- RJ-45 connector
- Passthrough power plug (country-dependent)
- Power plug (country-dependent) for Powerline
- Supports autonegotiation
- Supports IEEE 802.3x flow control

Security

- 128-bit AES data encryption with key management for secure Powerline communications

The DHP-P308AV PowerLine AV 500 Passthrough Mini Adapter is compliant with the HomePlug AV standard and uses your home's existing electrical wiring to create a network or extend your existing network.[1] It turns any power outlet into a network connection to access digital media devices, game consoles, print servers, computers, and network storage devices throughout your home.

Powerline AV 500 for Bandwidth-Intensive Applications

The DHP-P308AV features Powerline AV 500, enabling it to deliver data at higher speeds than traditional Ethernet and regular PowerLine AV connections. Its rapid transmission speed makes it ideal for bandwidth-intensive applications, which guarantees smooth HD video streaming, VoIP calls, and lag-free online gaming.

Convenient Setup and Seamless Integration

The DHP-P308AV plugs directly into a power outlet, and does not require any additional cables. Extend your home network by connecting multiple devices in the farthest corners of your home, or attach a switch or wireless access point to the adapter for additional connectivity. Setting up a secure connection is quick and easy, and is as convenient as simply pushing a button. The adapter implements 128-bit AES data encryption to protect the network from unauthorized wire-tapping, giving you peace of mind. With hassle-free plug-and-play installation, the DHP-P308AV is an ideal solution to create a wall-to-wall home network.

Additionally, the DHP-P308AV provides an extra passthrough power socket to ensure that your electrical outlet remains available. The power socket on the DHP-P308AV includes a 40 db noise filter that reduces interference even when 'noisy' devices such as mobile phone chargers are connected to maximize throughput and improve overall performance.

DHP-P308AV PowerLine AV 500 Passthrough Mini Adapter

Power-Saving Feature

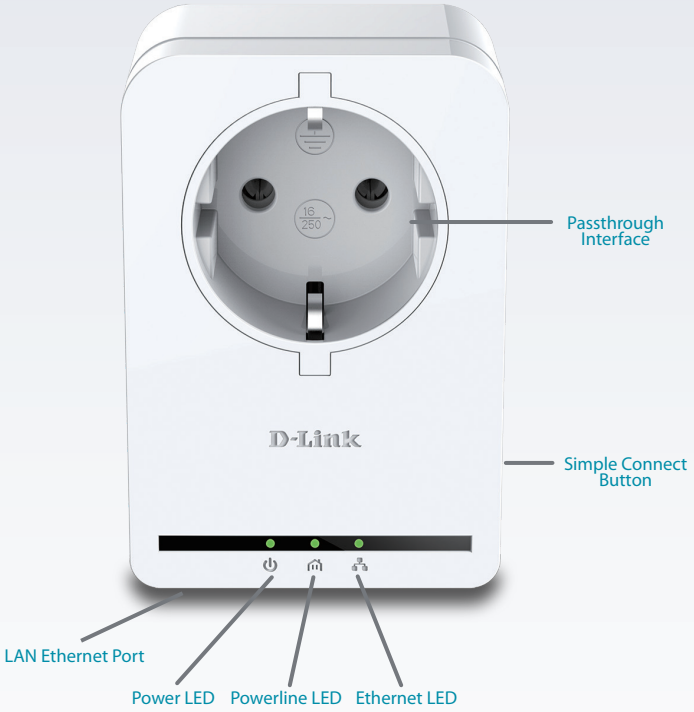
The DHP-P308AV incorporates a power-saving mode to comply with the European Energy Using Product (EuP) Directive. If there is no reception or data transmission over a certain period of time, the adapter will automatically go into sleep mode to save power, reducing power usage by more than 70% and allowing you to save energy automatically, without sacrificing performance.

QoS

A QoS engine will analyze and separate the traffic of the DHP-P308AV into multiple data streams. This allows for smooth streaming of Internet Protocol Television (IPTV), HD video, and lag-free online gaming because the most demanding data streams are automatically given priority.

DHP-P309AV PowerLine AV 500 Passthrough Mini Starter Kit

The DHP-P308AV is also available in a starter kit that provides a complete Powerline solution. The DHP-P309AV PowerLine AV 500 Passthrough Mini Starter Kit features two DHP-P308AV adapters, allowing you to create and start using a Powerline network in your home right away.



Technical Specifications		
General		
Powerline Interface	• Power plug (country-dependent)	
Passthrough Interface	• Power plug (country-dependent)	
Ethernet Interface	• Fast Ethernet port	• RJ-45 connector
Functionality		
Standards	• IEEE 802.3 • IEEE 802.3u	• HomePlug AV • IEEE 1901
Security	• 128-bit AES data encryption	
LEDs	• Power • Ethernet	• Powerline
Powerline Modulation Scheme	• OFDM symbol modulation	
Powerline Frequency Band	• 2 to 30 MHz	
Data Rate	• Powerline: Over 200 Mbps (PHY rate)[2]	• Ethernet: 10/100 Mbps (autonegotiation)
Physical		
Dimensions	• 91.5 x 62 x 35.5 mm (3.6 x 2.44 x 1.4 inches)	
Weight	• With EU plug: 156 grams (5.5 ounces) • With UK plug: 158 grams (5.57 ounces)	• With US plug: 158 grams (5.57 ounces)
Power Saving	• Power-saving mode supported	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	

DHP-P308AV PowerLine AV 500 Passthrough Mini Adapter

Humidity	• Operating: 10% to 90% non-condensing	
Certifications	• CE LVD • FCC • UL	• CE EMC Class B • RoHS • ErP
Passthrough Power Socket	• EU Type: 250 V/16 A Maximum • UK Type: 250 V/13 A Maximum • FR Type: 250 V/16 A Maximum	• US Type: 125 V/12 A Maximum • AU Type: 250 V/10 A Maximum
AC Input	• EU Type: 100-250 V AC, 50/60 Hz, 16 A • UK Type: 100-250 V AC, 50/60 Hz, 13 A • FR Type: 100-250 V AC, 50/60 Hz, 16 A	• US Type: 100-125 V AC, 50/60 Hz, 12 A • AU Type: 100-250 V AC, 50/60 Hz, 10 A

Order Information

Part Number	*Description*
DHP-P308AV	PowerLine AV 500 Passthrough Mini Adapter
DHP-P309AV	PowerLine AV 500 Mini Starter Kit (includes two DHP-P308AV PowerLine AV 500 Passthrough Mini Adapters)

[1] Power outlets and electrical wiring must all be part of the same electrical system. Certain electrical conditions in your home, such as wiring condition and configuration, may affect the performance of this product. Additional D-Link Powerline AV series products are required to add new devices to the network. A minimum of two D-Link Powerline AV series products are required to create a network. Connecting this product to a power strip with a surge protector may adversely affect the performance of this product. For best results, plug the adapter directly into a wall outlet.

[2] Powerline AV+ products feature a more efficient processor than current 200 Mbps Powerline AV products to provide better performance and coverage. Maximum throughput is based on theoretical transmission PHY rate. Actual data throughput will vary. Network conditions and environmental factors, including volume of traffic and network overhead, may lower actual data throughput rate. Interference from devices that emit electrical noise, such as vacuum cleaners and hair dryers, may adversely affect the performance of this product. This product may interfere with devices such as lighting systems that have a dimmer switch or a touch-sensitive on/off feature, short wave radios, or other Powerline devices that do not follow the HomePlug AV standard.

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