D-Link®
Building Networks for People

Product Highlights

High-speed Data Streaming

Powerline AV2 1000 allows for Gigabit speeds over home electrical wiring, making it suitable for high-bandwidth activities like HD media streaming

Easy Setup

Create a secure Powerline network connection and set up or extend your wireless network at the touch of a single button

Expand Your Powerline Network

Expand your existing Powerline network to high-speed Wireless AC for access by all of your devices using the latest technology

DHP-W610AV

PowerLine AV2 1000 Wi-Fi AC1200 Adapter

Features

Connectivity

- 10/100/1000 Mbps Gigabit Ethernet LAN port for high-speed streaming
- New HomePlug AV2.1 Powerline standard compatible with IEEE 1901 and HomePlug AV2 devices
- IEEE 802.11ac, backward compatible with 802.11n/g/a

Security Features

- Simple Connect Button to activate WPS and Powerline encryption
- WPA/WPA2 encryption to encrypt your wireless traffic
- 128-bit AES encryption

Advanced Features (DHP-W610AV)

- Quality of Service (QoS) maximizes performance by prioritizing data types
- UPnP support lets you connect devices easily
- IPv6 support ensures new devices are compatible
- Web browser setup and configuration
- Power-saving mode cuts down on energy usage
- Clone My Wi-Fi lets you copy your existing network settings to your extended network

The DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter allows you to set up and start enjoying the convenience and reliability of a high-speed wireless and Powerline network in your home right away. The DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter lets you expand your existing high-speed Powerline network for your home. Simply plug the device into electrical outlets in your home and you'll be able to use your existing wiring to expand your Internet access and wireless network.

Complete Powerline Solution

The DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter features a Powerline[1] network connection, compliant with the HomePlug AV2 standard, that uses your existing home electrical wiring to create or extend your home network. Support for Powerline AV2.1 increases multi-adapter performance by up to 15% within the same network, and up to 75% for neighboring Powerline networks both using AV2.1. To set up a Powerline network, just plug the DHP-W610AV into a power outlet and simply press a button to connect to your existing network.

Enhanced Performance

The DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter is capable of high speeds of up to 1000 Mbps via Powerline, making it faster than older Powerline AV products, and providing you with faster performance for all networking activites. Support for the latest Homeplug AV2.1 technology improves coverage, reduces electrical interference, and increases performance when using multiple adapters. The DHP-W610AV also supports Quality of Service (QoS) features that ensure faster multimedia streaming by prioritizing multimedia data over non-multimedia data. This results in higher Internet performance when streaming HD-quality Video on Demand from set top boxes and cameras, playing games online, and making Voice over IP (VoIP) calls.
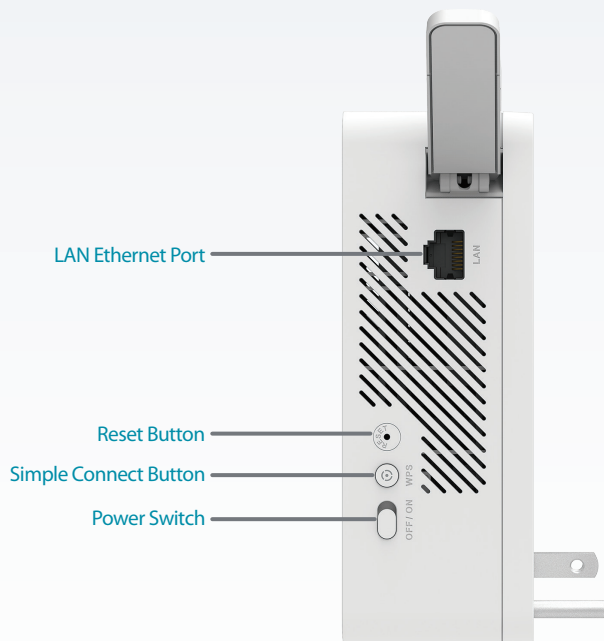
Encrypted Wired and Wireless Connection

The DHP-W610AV features 128-bit AES encryption to protect your Powerline network connection. The DHP-W610AV also uses industry standard WPA/WPA2 encryption to protect your wireless network. The DHP-W610AV features a Simple Connect button that allows you to easily set up Wi-Fi Protected Setup (WPS) for your wireless connection or a secure Powerline connection at the press of a button.

Saves Power Automatically

The DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter incorporates power saving modes that automatically switches the adapter to sleep mode if no data transmission or reception occurs over a certain period of time. By reducing power usage when it isn't being used, you can save up to 85% in energy costs without sacrificing performance.

Side View

LAN Ethernet Port

Reset Button
Simple Connect Button
Power Switch

Technical Specifications (DHP-W610 PowerLine AV2 1000 Wi-Fi AC1200 Adapter)		
General		
Powerline Interface	• One PLC interface compatible with HomePlug AV2 specification up to 1000 Mbps[2]	• Simple Connect button
Network Interfaces	• 10/100/1000 Ethernet LAN port with auto MDI/MDIX • 802.11ac WLAN	• WPS • Reset button
Wireless LAN	• 802.11ac/n/g/a standards • Wireless speed: up to 866 + 300 Mbps (802.11ac + n)[3]	• WPA/WPA2 (Wi-Fi Protected Access)
Functionality		
Standards	• IEEE 802.3 • IEEE 802.3x	• HomePlug AV2.1/AV2 • IEEE 1901
Security Features	• Powerline: 128-bit AES Encryption	
LEDs	• Power • Ethernet	• Powerline • Wi-Fi
Advanced Features	• IPv6 support • Power-saving mode	• PLC Quality of Service (QoS) • Clone My Wi-Fi

DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter

Physical

Dimensions	• 140 x 68 x 50 mm (5.51 x 2.68 x 1.97 inches)	
Weight	• US Type: 313.6 g (11.1 ounces) • UK Type: 323.0 g (11.4 ounces)	• EU Type: 315.2 g (11.1 ounces)
Power	• Input: 100 V to 240 V AC, 50/60 Hz	
Power Consumption	• Normal: 9.22 W • Network Standby: 6.15 W	• Off: 0.1 W
Temperature	• Operating: 0 to 40 ℃ (32 to 104 ℉)	• Storage: -20 to 65 ℃ (-4 to 149 ℉)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• CE/LVD • FCC/IC • UL	• RoHS • HomePlug AV2

Order Information

Part Number	Description
DHP-W610AV	PowerLine AV2 1000 Wi-Fi AC1200 Adapter

[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] 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 AV2 standard.

[3] Maximum wireless signal rate derived from IEEE Standard 802.11 specifications when used with related Wireless AC devices. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. Wireless range and speed rates are D-Link relative performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link.

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