

DHP-100



Extends
the Range of
WIRELESS
Devices

- Up to 14Mbps
- Compact Design
- OS/Platform Independent
- Plug & Play Installation

14
Mbps

Express PowerNetwork™ Ethernet-to-Powerline Bridge

For
Ethernet
&
Wireless
Devices

The D-Link DHP-100 is a plug-and-play Ethernet-to-Powerline Bridge providing a convenient way to extend the range of a wireless access point or router. It is especially useful for homes or small offices when concrete walls, elevator shafts, successive floors in multi-storied buildings, or other architectural impediments inhibit the wireless signal.‡

By taking advantage of the existing electrical wiring in a home or small office, two or more D-Link DHP-100s can extend a wireless access point or router's range without drilling holes into walls to run additional networking cables.

The DHP-100 transmits data reliably even in noisy media environments by intelligently adapting to strong signal channels. This Ethernet-to-Powerline Bridge uses proven

Orthogonal Frequency Division Multiplexing (OFDM), an advanced signal processing technique used by wireless and xDSL applications to ensure strong signal throughput while filtering out interference.

The DHP-100 also integrates Quality-of-Service (QoS) features such as prioritized random access, contention-free access, and segment-bursting. It also includes built-in 56-bit Link encryption with key management for more secure communication and data transfer.

The D-Link DHP-100 is operating system independent, so it works with any standard Ethernet-ready computer system.



Express PowerNetwork™

Ethernet-to-Powerline Bridge



SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3U

Connections

- Data Port: RJ-45 for Ethernet CAT 5 cable (MDI/MDIX)
- Power Prongs†‡

Frequency Band

4.3 to 20.9 MHz

Diagnostic LEDs

- Ethernet Link/Activity
- Powerline Collision
- Powerline Activity
- Powerline Link

Data Rate

Up to 14Mbps

Access Methods

CSMA/CA

Modulation Scheme

OFDM (Orthogonal Frequency Division Multiplexing) with Automatic Channel Adaptation and FEC (Forward Error Correction)

Encryption

56-bit Data Encryption with Key Management (encryption software works with Windows OS systems only)

Operating Frequency

100MHz

Operating Temperature

- 32°F to 158°F
- 0°C to 70°C

Power Source

110/220 VAC, 60Hz/50Hz

Dimensions

3.74 x 2.36 x 1.57 inches

Weight

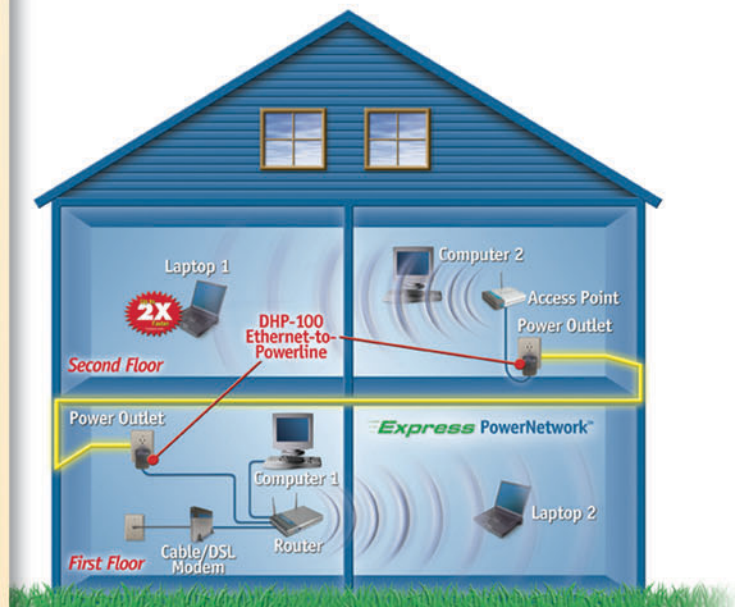
7.6 oz

Certifications

- FCC Class B
- UL Listed
- CE

† — requires connection to same grounding circuit within a building.

‡ — Compatible with standard, non-surge-protected power strips. Not compatible with surge protectors.



The D-Link Express PowerNetwork™ DHP-100 Ethernet-to-Powerline Bridge when connected to a standard power outlet uses a home or office's existing wiring to network Ethernet-enabled devices such as wireless routers, wireless access points and computers.



DI-614+
Enhanced 2.4GHz
Wireless Broadband Router



DWL-900AP+
Enhanced 2.4GHz
Wireless Access Point



DWL-650+
Enhanced 2.4GHz
Wireless Cardbus Adapter

*Extend Your Wireless Network
with Powerline*



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