



## POWERLINE HD ETHERNET ADAPTER

### INTERNET VIDEO, VOICE OVER ELECTRICAL WIRES

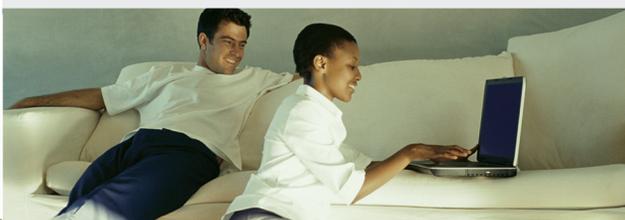
Up to 200Mbps speed,<sup>1</sup> suitable for video/voice distribution, broadband Internet over home's electrical wires

### QUALITY OF SERVICE

Prioritized traffic for streaming video, on-line games, Internet phone, music

### TOTAL SECURITY

Data encryption/Net ID to keep out intruders in building, VLAN isolation to protect home network from being tapped



### 200Mbps TRANSMISSION OVER ELECTRICAL WIRES<sup>1</sup>

The D-Link DHP-300 Powerline HD Ethernet adapter is a new-generation power line network that provides easy-to-use technology for high-quality transfers of Internet video, music, games and voice through the conventional home power sockets. Delivering data transfer rates of up to 200Mbps, this adapter provides ample network bandwidth, enabling digital home consumers to tap into the existing electrical wiring for extension of their home network.<sup>1</sup>

### IDEAL FOR HD VIDEO, MUSIC SHARING, ON-LINE GAMES

The DHP-300 is ideal for connecting home network entertainment components normally located near a power outlet. Any Ethernet-ready devices, such as broadband routers, computers, High Definition TV, digital video recorders, game consoles, print servers or D-Link Media Players can be added to a home network. This adapter is ideally suited for next generation home applications such as media streaming, music sharing and online multi-player gaming. The DHP-300 can be used to stream data into areas of a home where it may be difficult to run an Ethernet cable. For wireless application, users can also expand a Wi-Fi network at home by connecting an access point to this adapter to get stronger wireless signals in remote areas such as a basement.

### SMOOTH AND SECURE OPERATION

With QoS support, application priority levels are retained. This adapter ensures video, Internet phone and on-line games don't experience glitches while a file download or web surfing is taking place. It provides user-configurable data encryption and VLAN Tagging to protect a home network from wire tapping by intruders in the same building.

### SIMPLE PLUG AND PLAY

The DHP-300 adapter plugs straight into a wall outlet, with no additional power cord required. No new cables or wires are needed to install a network that takes advantage of ordinary AC power and the ever-present wall sockets. And the electrical current doesn't interfere with the data network because electricity and data are transmitted at very different frequencies.

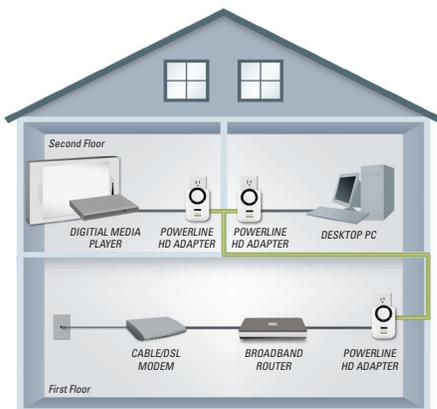
#### WHAT THIS PRODUCT DOES

With up to 200Mbps network data transfer rate, the DHP-300 allows you to network your home computers, High-Definition TV, networking devices and gaming devices through the most pervasive medium in your house - the electric power lines - and share Internet connections, printers, transfer files, play games, and more.<sup>1</sup> This Powerline HD Ethernet adapter features plug-and-play installation, and can be attached to any device equipped with an Ethernet interface.

#### FAST TRANSMISSION ON HOME POWERLINE

The DHP-300 Powerline HD Ethernet adapter uses the latest technology to deliver up to 200Mbps wired speed over a premise's existing electrical wires.<sup>1</sup> This fast transmission speed provides ample bandwidth to stream high-quality video HDTV signals, while simultaneously providing high-speed Internet access throughout an entire home. With QoS support, this adapter does not compromise applications with real-time requirements, such as VoIP Internet phone and multiplayer on-line games, while allowing you to enjoy Internet TV and music in your living room.

#### YOUR NETWORK SETUP



**Power Prongs (Country Dependent)<sup>2</sup>**  
To AC Wall Outlet

**RJ-45 10/100BASE-TX Ethernet Ports**  
To TV Set-Top Box, Computers, Game Console,  
Network Storage Device, Media player

### TECHNICAL SPECIFICATIONS

#### STANDARD

IEEE 802.3 Ethernet/ 802.3u Fast Ethernet

#### POWER LINE INTERFACE

+ Power prongs  
+ Prong type: country-dependent

#### ETHERNET INTERFACE

+ Port: 10/100BASE-TX with auto MDI/ MDIX  
+ Connector: RJ-45

#### POWER LINE MODULATION SCHEME

OFDM Symbol Modulation

#### POWER LINE FREQUENCY BAND

2MHz to 32MHz

#### DATA RATE

+ Power Line: 200Mbps (PHY rate)  
+ Ethernet: 10/100Mbps (auto-negotiation)

#### QoS

+ 802.1P Priority Queues standard (4 queues)  
+ Multi segment bursting

#### SECURITY

+ Mixed DES/3DES data encryption  
+ User-configurable Net ID (data encryption key)  
+ 802.1Q VLAN Tagging

#### CONFIGURATION/MANAGEMENT

+ Windows-based Utility Program  
+ SNMP support (to manage encryption key)  
+ Telnet  
+ Remote software upgrade (FTP-based)

#### MINIMUM SYSTEM REQUIREMENTS

(To run Utility Program)  
+ PC with 233MHz processor  
+ 64MB memory  
+ Windows XP SP2 or 2000 SP4  
+ Ethernet adapter (100Mbps)

#### DIAGNOSTIC LED

+ Power Line Link  
+ Power Line Activity  
+ Ethernet Link/ Activity

#### AC INPUT

100 to 240VAC, 50/60Hz, 160mA

#### DIMENSIONS

101 x 71 x 37 mm  
(3.98 x 2.79 x 1.46 inches)

#### WEIGHT

172 grams (0.379 lb)

#### OPERATION TEMPERATURE

0° to 40°C (32° to 104°F)

#### STORAGE TEMPERATURE

-20° to 70°C (-4° to 158°F)

#### OPERATION HUMIDITY

10% to 95% RH non-condensing

#### STORAGE HUMIDITY

10 to 90% RH non-condensing

#### EMC

+ FCC Part 15 Class B  
+ CE

#### SAFETY

UL

#### MTBF

100,000 hours or higher



<sup>1</sup> Maximum wired signal rate. Actual data throughput will vary. Network conditions, including volume of network traffic and network overheads, can lower actual data throughput rate.

<sup>2</sup> Power prongs can differ, depending on the country to which the product is shipped.

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