



WIRELESS 108 G PCI CARD

HIGH SPEED CONNECTIVITY

Turbo Mode offers wireless speeds of up to 108Mbps

DEPENDABLE SECURITY

Advanced security with WPA EAP/PSK, WPA2 EAP/PSK, TKIP, and AES Support

PLUG-AND-PLAY

Installation Wizard and Connection Software simplify setup and management



ENHANCED WIRELESS CONNECTIVITY

The D-Link AirPlus Xtreme G™ DWL-G520 Wireless PCI Card delivers a cost-effective wireless upgrade for desktop PCs. Enhance your Internet experience with a faster wireless connection and enjoy smooth digital phone calls, gaming, downloading, and video streaming. The adapter's powerful integrated antenna offers an operating range of up to 100 meters indoors and 400 meters outdoors.

TURBO MODE FOR MAXIMUM PERFORMANCE

This high-performance PCI adapter is designed for users who demand the most from their wireless network. Powered by D-Link Wireless 108 G technology, the DWL-G520 provides wireless transfers of up to 108Mbps using Turbo mode when used in conjunction with a compatible AirPlus Xtreme G 802.11g router. The adapter is also seamlessly interoperable with 802.11b wireless networks. The DWL-G520 supports WPA/WPA2 security and WEP data encryption to protect your personal information and prevent potential intruders.

EFFORTLESSLY UPGRADE AN EXISTING NETWORK

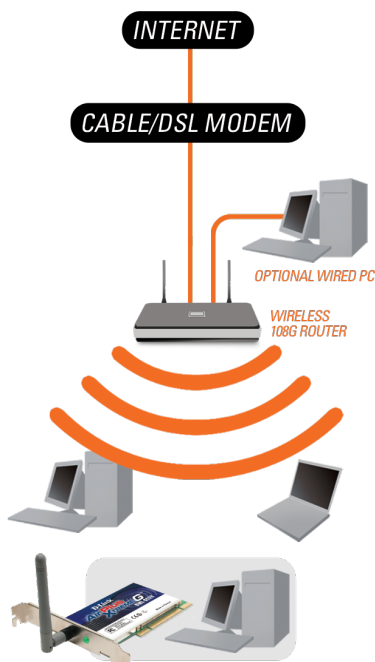
Plug-and-play installation allows this card to be quickly mounted in your PC for immediate operation. The D-Link Quick Install Wizard guides you through a straightforward setup process. Your PC can be quickly configured without ever having to call a networking expert for assistance. A D-Link Wireless Connection Management utility is also included to keep track of any frequently accessed networks.

WHAT THIS PRODUCT DOES

The D-Link DWL-G520 is an internal wireless PCI adapter card for your desktop PC. Installing this card allows you to experience high-speed wireless Internet connectivity, and to share documents, photos, music, video, and printers distances of up to 400 meters.

802.11G COMPATIBILITY

Based on the 802.11g wireless LAN standard specifications, D-Link Wireless 108 G adapters, routers and access points provide real world performance of up to 108Mbps when operating in Turbo mode. This feature allows wireless network connections to function smoothly even when running bandwidth-demanding applications such as streaming audio and video.



Desktop PC with DWL-G520
Wireless 108 G Desktop Adapter

TECHNICAL SPECIFICATIONS

SYSTEM REQUIREMENTS

- + Windows 98 SE, ME, XP SP2, 2000 SP4, or Vista
- + CD-ROM drive
- + 20MB hard disk space
- + Available PCI slot

STANDARDS

- + IEEE 802.11g
- + PCI 2.3

MEDIA ACCESS CONTROL PROTOCOL

- + CSMA/CA with ACK

NETWORK ARCHITECTURE TYPES

- + Ad-Hoc mode
- + Infrastructure mode

FREQUENCY RANGE

- + 2.4 - 2.4835 GHz

OPERATING CHANNELS

- + US (FCC): 11
- + Europe (ETSI): 13
- + Canada (DOC): 11

NETWORK TRANSFER RATE¹ / MODULATION TECHNIQUE

- + 802.11b: 11Mbps, 5.5Mbps: CCK 2Mbps: DQPSK 1Mbps: DBPSK
- + 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps: OFDM (Orthogonal Frequency Division Multiplexing)

RECEIVE SENSITIVITY (FOR 802.11B)

- + 1Mbps: -92dBm
- + 2Mbps: -88dBm
- + 5.5Mbps: -86dBm
- + 11Mbps: -84dBm

RECEIVE SENSITIVITY (FOR 802.11G)

- + 6Mbps: -88dBm
- + 9Mbps: -85dBm
- + 12Mbps: -85dBm
- + 18Mbps: -81dBm
- + 24Mbps: -77dBm
- + 36Mbps: -73dBm
- + 48Mbps: -71dBm
- + 54Mbps: -70dBm

TRANSMIT OUTPUT POWER (FOR 802.11B)

- + 1Mbps, 2Mbps, 5.5Mbps, 11Mbps: 16dBm to 18dBm

TRANSMIT OUTPUT POWER (FOR 802.11G)

- + 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps: 16dBm to 18dBm
- + 36Mbps: 15dBm to 17dBm
- + 48Mbps: 14dBm to 16dBm
- + 54Mbps, 108Mbps: 13dBm to 15dBm

ANTENNA

- + External dipole antenna with detachable reverse SMA connector

OPERATING RANGE²

- + Indoors: Up to 100 meters (328 feet)
- + Outdoors: Up to 400 meters (1,312 feet)

SECURITY

- + 64/128/152-bit WEP data encryption
- + WPA EAP/PSK, WPA2 EAP/PSK
- + TKIP, AES support

DIAGNOSTIC LEDS

- + Link
- + Activity

OPERATING VOLTAGE

- + 3.3V

POWER CONSUMPTION

- + Transmit mode: 248 mA
- + Power save mode: 28 mA
- + Standby mode: 4.66 mA

DIMENSIONS

- + Standard Bracket: 120mm (L) x 125mm (W) x 19mm (H) (4.72" x 4.92" x 0.75")
- + Short Bracket: 80mm (L) x 125mm (W) x 19mm (H) (4.64" x 3.15" x 0.34")

WEIGHT

- + 55 grams (0.12 lb.)

OPERATING TEMPERATURE

- + Operating: 0° - 55° C (32° - 149° F)
- + Storage: 20° - 65° C (-4° - 149° F)

HUMIDITY

- + Up to 95% non-condensing

EMISSION (EMI)

- + FCC Class B
- + CE Class B
- + R&TTE

¹ 54Mbps maximum wireless signal rate derived from IEEE standard 802.11g specifications. 108Mbps Turbo speed when operating with other D-Link Wireless 108 G products. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate.

² Environmental factors will adversely affect wireless signal range.



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