WIRELESS 108 G DESKTOP ADAPTER

HIGH PERFORMANCE, WIDE COVERAGE
Up to 108Mbps Turbo Mode wireless speed. eXtended Range for wider wireless coverage range

WIRELESS PROTECTION
Connect to secure wireless networks using WEP, WPA and WPA2

SIMPLE INSTALLATION
Quick Install Wizard and Wireless Connection Management utility provided for easy setup

ENHANCED WIRELESS CONNECTIVITY
The D-Link DWA-520 Wireless 108 G Desktop Adapter 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 DWA-520 provides wireless transfers of up to 108Mbps using Turbo mode when used in conjunction with a compatible Wireless G 802.11g router. The adapter is also seamlessly interoperable with 802.11b wireless networks. The DWA-520 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 DWA-520 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.

GET CONNECTED, STAY CONNECTED

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.

INTERNET

CABLE/DSL MODEM

OPTIONAL WIRED PC

WIRELESS
108G ROUTER

Desktop PC with DWA-520
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
+ IEEE 802.11b
+ PCI 2.2, 2.3

HOST INTERFACE
PCI 32-bit local bus

FREQUENCY RANGE
+ 2412 to 2462MHz (North America)
+ 2412 to 2472MHz (General Europe)

EMISSION SCHEMES
DSSS, OFDM

DATA MODULATION SCHEMES
+ 802.11b: DQPSK, DBPSK, DSSS, and CCK
+ 802.11g: BPSK, QPSK, 16QAM, 64QAM, and OFDM

DATA RATES
+ 802.11g: 6/9/12/18/24/36/48/54Mbps 108Mbps (Turbo mode)
+ 802.11b: 1/2/5.5/11Mbps

RECEIVE SENSIVITITY (802.11B)

(8% Error Rate)
+ -84dBm at 11Mbps
+ -90dBm at 2Mbps

RECEIVE SENSIVITITY (802.11G)

(1000-byte PDUs, 10% Error Rate)
+ -87dBm at 6Mbps
+ -86dBm at 9Mbps
+ -85dBm at 12Mbps
+ -83dBm at 18Mbps
+ -80dBm at 24Mbps
+ -76dBm at 36Mbps
+ -71dBm at 48Mbps
+ -66dBm at 54Mbps

TRANSMIT OUTPUT POWER (802.11B)
18dBm (+/-2dB) at 11, 5.5, 2, and 1Mbps

TRANSMIT OUTPUT POWER (802.11G)
+ 15dBm at 54Mbps
+ 16dBm at 48Mbps
+ 17dBm at 36 Mbps
+ 18dBm at 24, 18, 12, 9, and 6Mbps

ANTENNA
2dBi omni-directional dipole antenna

SECURITY
+ 64/128/152-bit WEP data encryption
+ Wi-Fi Protected Access (WPA, WPA2)
+ AES [3]

QUALITY OF SERVICE (QOS)
+ 802.11e
+ WMM

CONFIGURATION/SECURITY SETTING
+ Quick Install Wizard
+ D-Link Wireless Connection Management

O.S. SUPPORT
Windows 98 SE, ME, 2000, XP, Vista

DIAGNOSTIC LEDS
+ Power
+ Activity

OPERATING VOLTAGE
3.3VDC +/- 10% or 5VDC +/- 10%

POWER CONSUMPTION
+ Continuous transmit mode: 1650 mW
+ Continuous receive mode: 950 mW
+ Sleep mode: 40 mW

DIMENSIONS
+ Standard Bracket: 126mm (L) x 120mm (W) x 19mm (H)
+ Short Bracket: 126mm (L) x 80mm (W) x 19mm (H)

OPERATING TEMPERATURE
0° to 40° C

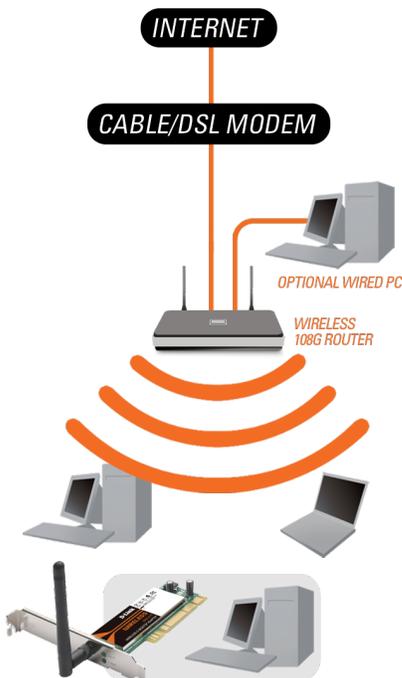**STORAGE TEMPERATURE**
-20° to 65° C

OPERATING HUMIDITY
10% to 90% non-condensing

STORAGE HUMIDITY
5% to 95% non-condensing

CERTIFICATIONS
+ FCC Class B
+ CE
+ C-Tick

[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. Environmental factors will adversely affect wireless signal range.

[2] Maximum output power setting varies according to individual country.

[3] Feature available in future driver upgrade.

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WIRELESS