

DWL-G650



Up to
54
Mbps!

- Up to 54Mbps with AirPlus Xtreme G products
- Works with 802.11b devices
- Great for Video Streaming
- Better Wireless Security with 802.1x and WPA*



Available Spring 2003:



AirPlus Xtreme G™

High-Speed 2.4GHz Wireless Cardbus Adapter

D-Link, the industry pioneer in wireless networking, introduces another performance breakthrough in wireless connectivity—the *D-Link AirPlus Xtreme G™* series of high-speed devices capable of transfer rates up to 54Mbps.

The D-Link AirPlus DWL-G650 Cardbus Adapter is a wireless cardbus featuring the very latest in advanced wireless silicon chip technology including enhanced security to shield and protect your wireless communication from intruders. The DWL-G650 also works with 802.11b standard wireless devices and when used with other D-Link AirPlus Xtreme G products delivers throughput speeds capable of handling heavy data payloads including real-time MPEG video streaming.

The DWL-G650 features 802.1x* for wireless user authentication, as well as WPA* (Wi-Fi Protected Access) providing you a much higher level of security for your data and communications than has

previously been available in a wireless networking solution.

The D-Link AirPlus DWL-G650 also includes a configuration utility to discover available wireless networks and create and save detailed connectivity profiles for those networks most often accessed.

The DWL-G650 is a powerful 32-bit cardbus adapter that installs quickly and easily into laptop PCs and when used with other D-Link AirPlus Xtreme G products automatically connects to the network. Like all D-Link wireless adapters, the DWL-G650 can be used in ad-hoc mode to connect directly with other cards for peer-to-peer file sharing or in infrastructure mode to connect with a wireless access point or router for access to the Internet in your office or home network.

* Driver or firmware upgrade download available Spring 2003.

AirPlus Xtreme G™

High-Speed 2.4GHz Wireless

Cardbus Adapter



DWL-G650

SPECIFICATIONS

Standards

- IEEE 802.11
- IEEE 802.11b
- IEEE 802.11g-Draft

Bus Type

32-bit Cardbus

Data Rates

With Automatic Fallback

- 54Mbps
- 48Mbps
- 36Mbps
- 24Mbps
- 18Mbps
- 12Mbps
- 11Mbps
- 9Mbps
- 6Mbps
- 5.5Mbps
- 2Mbps
- 1Mbps

Security

- 64-, 128-WEP
- 802.1x*
- WPA *—Wi-Fi Protected Access (64-, 128-WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)

Media Access Control

CSMA/CA with ACK

Frequency Range

2.4GHz to 2.462GHz

Range

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

Power Consumption

- PowerSave mode = 28mA
- Standby mode = 4.66mA
- Transmit mode = 248mA

Modulation Technology

- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)

Receiver Sensitivity

- 54Mbps OFDM, 10% PER, -68dBm
- 48Mbps OFDM, 10% PER, -68dBm
- 36Mbps OFDM, 10% PER, -75dBm
- 24Mbps OFDM, 10% PER, -79dBm
- 18Mbps OFDM, 10% PER, -82dBm
- 12Mbps OFDM, 10% PER, -84dBm
- 11Mbps CCK, 8% PER, -82dBm
- 9Mbps OFDM, 10% PER, -87dBm
- 6Mbps OFDM, 10% PER, -88dBm
- 5.5Mbps CCK, 8% PER, -85dBm
- 2Mbps QPSK, 8% PER, -86dBm
- 1Mbps BPSK, 8% PER, -89dBm

Transmitter Output Power

15dBm ± 2dB

Internal Antenna Type

Dual Antenna Diversity Switching

Operating Temperature

32°F to 131°F (0°C to 55°C)

Humidity

95% maximum (non-condensing)

Dimensions

- L = 4.64 (114.3mm)
- W = 2.13 (54mm)
- H = 0.34 inches (8.7mm)

Weight

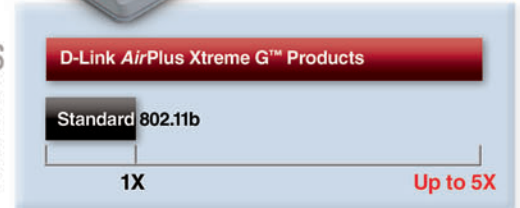
0.12 lb (55g)

Warranty

3 Year

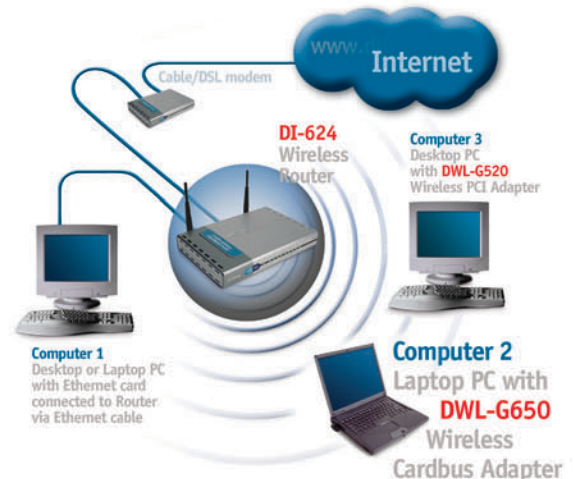
* Driver of firmware upgrade download available Spring 2003

Technology



Performance

D-Link AirPlus Xtreme G™ products can transfer data up to 5 times faster than standard 802.11b networks. They are also interoperable with 802.11b compliant wireless devices.



*Faster Wireless Networking
from Your Notebook PC*



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