

DWL-650+



- Up to 22Mbps with AirPlus Products
- Fully 802.11b Compatible
- Improved Performance
- Higher Data Encryption (64/128/256-bit)

# AirPlus

## Enhanced 2.4GHz Wireless Cardbus Adapter



D-Link, the industry pioneer in wireless networking, introduces another performance breakthrough in wireless connectivity—the **D-Link AirPlus™** series of high-speed devices capable of data transfer rates up to 22Mbps.

The *D-Link AirPlus DWL-650+ Cardbus Adapter* is an enhanced 802.11b cardbus featuring advanced silicon chip design from Texas Instruments that utilizes their patented Digital Signal Processing™ technology. The DWL-650+ is fully compatible with the IEEE 802.11b standard making it interoperable with all existing 802.11b compliant devices. When connected to standard 802.11b devices, transfer rates can be up to 20%. When connected to other D-Link AirPlus products, the performance is even greater—up to 22Mbps!



The DWL-650+ also features 256-bit WEP encryption providing you a higher level of security for your data and communications.

The D-Link AirPlus DWL-650+ 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-650+ is a powerful 32-bit cardbus adapter that installs quickly and easily into laptop PCs and when used with other D-Link AirPlus products automatically connects to the network. And all D-Link wireless adapters, can be used in *ad-hoc* mode to connect directly with other cards or in *infrastructure* mode to connect with a wireless access point for access to the Internet in your office or home network.

# AirPlus

Enhanced 2.4GHz Wireless

# Cardbus Adapter



DWL-650+

## SPECIFICATIONS

### Standards

- IEEE 802.11
- IEEE 802.11b

### Bus Type

32-bit Cardbus

### Data Rates

With Automatic Fallback

- 22Mbps • 11Mbps
- 5.5Mbps • 2Mbps
- 1Mbps

### Encryption

64-, 128-, 256-bit RC4

### 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 Management

Automatic to Reduce Battery Usage

### Power Consumption

- Doze mode = 9mA
- Receive mode = 185mA
- Transmit mode = 285mA

### Modulation Technology

- PBCC - Packet Binary Convolutional Coding
- Direct Sequence Spread Spectrum (DSSS)
- 11-chip Barker sequence

### Modulation Techniques

- Barker (1Mbps/0db)
- Barker (2Mbps/3db)
- CCK (5.5Mbps/5.5db)
- PBCC (5.5Mbps/1.5db)
- CCK (11Mbps/8.5db)
- PBCC (11Mbps/4.5db)
- PBCC (22Mbps/8.5db)

### Transmitter Output Power

15dBm ± 2dB

### Internal Antenna Type

Diversity

### Nominal Antenna Port Impedance

50Ohms

### Over-Driving Levels

Tolerates up to +17dBm at the Antenna

### 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)

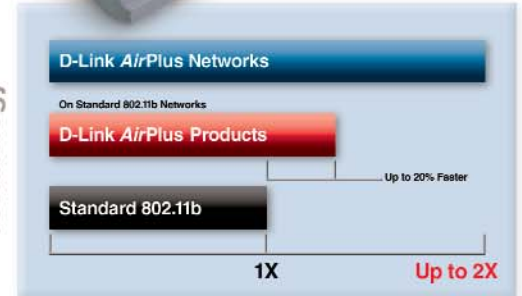
### Weight

0.12 lb (55g)

### Warranty

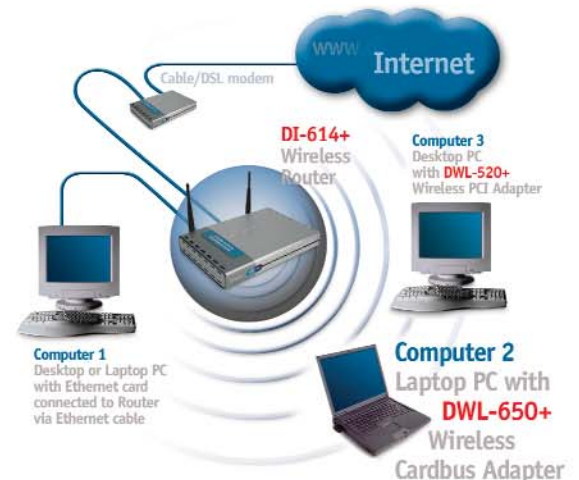
3 Year

Technology



Performance

D-Link AirPlus Networks can transfer data up to 22Mbps (Up to 2X faster than standard 802.11b networks). On standard 802.11b networks, D-Link AirPlus products provide up to 20% faster data transfer rates.



Plug & Play Mobile Access

