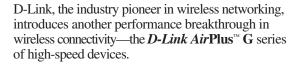# D-Link®
Building Networks for People

Even Faster Wireless Networking from Your Laptop PC

DWL-G630

- Up to 54Mbps[1]
- Backwards Compatible with 802.11b Devices
- Great for Video Streaming
- Increased Wireless Security with WPA and 802.1x[2]

G
802.11g
54Mbps

AirPlus® G
802.11g/2.4GHz Wireless
Cardbus Adapter

FOR LAPTOPS

2.4 GHz

FREE 24/7 TECH SUPPORT
(USA ONLY)†

D-Link, the industry pioneer in wireless networking, introduces another performance breakthrough in wireless connectivity—the *D-Link AirPlus*™ G series of high-speed devices.

The D-Link *Air*Plus G DWL-G630 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-G630 also works with 802.11b standard wireless devices and when used with other D-Link *Air*Plus G products delivers throughput speeds capable of handling heavy data payloads.

The DWL-G630 features WPA and 802.1x for wireless user authentication, providing you a much higher level of security for your data and communications.

The D-Link *Air*Plus G DWL-G630 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-G630 is a powerful 32-bit Cardbus Adapter that installs quickly and easily into laptop PCs and when used with other D-Link *Air*Plus G products automatically connects to the network. Like all D-Link wireless adapters, the DWL-G630 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.

AirPlus G
802.11g/2.4GHz Wireless
Cardbus Adapter

DWL-G630

SPECIFICATIONS

Standards
- IEEE 802.11b
- IEEE 802.11g

Bus Type
32-bit Cardbus

Signal Rates[1]
With Automatic Fallback

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

Security[2]
- WPA—Wi-Fi Protected Access (64-, 128-WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
- 802.1x
- 64/128-bit WEP

Media Access Control
CSMA/CA with ACK

Frequency Range
2.4GHz to 2.462GHz

Range[3]
- 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

[1] Maximum wireless signal rate based on IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.
[2] WPA and 802.1x requires use of the Windows® XP Zero Configuration Utility.
[3] Environmental conditions may adversely affect wireless signal range.

Technology

D-Link *AirPlus*™G Products

Standard 802.11b

1X   Up to 5X

Performance

www. Internet

Cable/DSL Modem

Wireless Router
802.11g (or 802.11b)

Computer 2
Desktop PC or Laptop

DWL-G630 with
Laptop Computer

Faster Wireless Networking from Your Laptop PC

D-Link®
Building Networks for People