

D-Link[®]
Building Networks for People

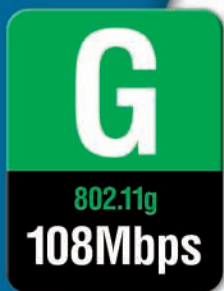
*Even Faster Wireless Networking
from your Desktop PC*



DWL-G520

Up to
15X
Faster

- New Up to 108Mbps¹ and Backwards Compatible to 11g & 11b
- Works with 802.11b devices
- Great for Video Streaming
- Increased Security with 802.1X and WPA



AirPlus XtremeG[®] 802.11g/2.4GHz Wireless **108Mbps¹ PCI Adapter**

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

The D-Link *AirPlus XtremeG* DWL-G520 PCI Adapter is a wireless PCI adapter featuring the very latest in advanced wireless silicon chip technology to deliver incredibly fast data transfer in the 2.4GHz frequency. The DWL-G520 also works with 802.11b standard wireless devices and when used with other D-Link *AirPlus XtremeG* products delivers throughput speeds capable of handling heavy data payloads.

With the enhancement of D-Link 108G, the DWL-G520 can achieve wireless speeds up to 15x faster than standard 802.11b in a pure D-Link 108G environment through the use of new wireless techniques such as Packet Bursting, FastFrame, Compression & Encryption,

and Turbo mode. This provides a bandwidth large enough to handle video/audio streaming and Video on Demand (VoD) applications.

The D-Link *AirPlus XtremeG* DWL-G520 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-G520 is a powerful 32-bit PCI adapter that installs quickly and easily into desktop PCs and when used with other D-Link *AirPlus XtremeG* products automatically connects to the network. Like all D-Link wireless adapters, the DWL-G520 can be used in ad-hoc mode to connect directly with other 2.4GHz wireless computers 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 Xtreme G[®]

802.11g/2.4GHz Wireless

108Mbps¹ PCI Adapter

DWL-G520



SPECIFICATIONS

Standards

- IEEE 802.11
- IEEE 802.11b
- IEEE 802.11g

Bus Type

PCI 2.2

Signal Rates¹

With Automatic Fallback

- D-Link 108G: 108Mbps

- 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-bit WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)

Media Access Control

CSMA/CA with ACK

Frequency Range

2.4GHz to 2.462GHz

Range²

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

Dipole with detachable reverse SMA connector

Operating Temperature

32°F to 149°F (0°C to 55°C)

Humidity

95% maximum (non-condensing)

Dimensions

- L = 4.5 (114.3mm)
- W = 2 (50.8mm)
- H = 0.34 inches (8.7mm)

Weight

0.12 lb (55g)

Certifications

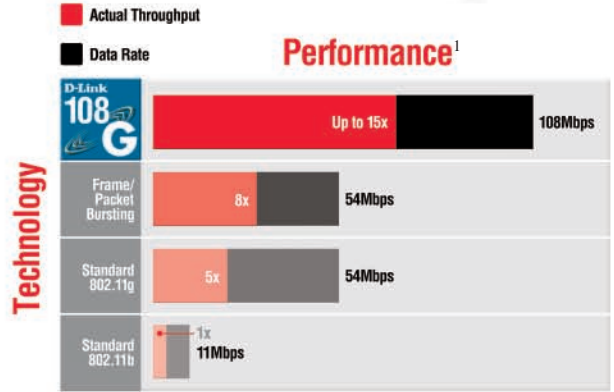
- FCC part 15b

Warranty

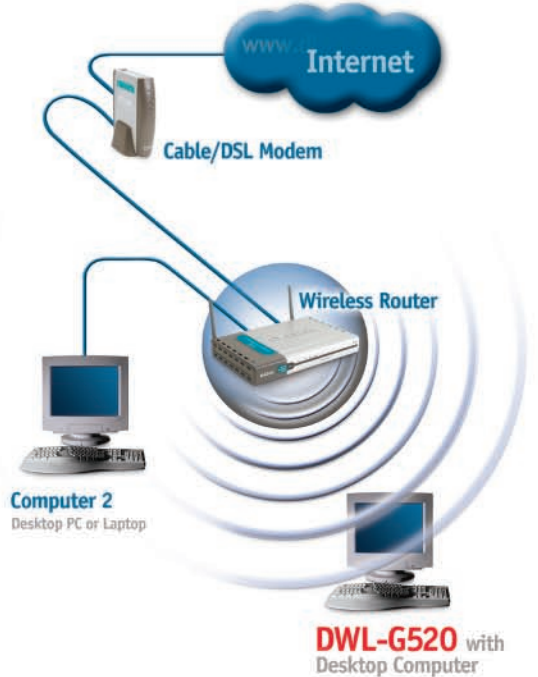
3 Year

¹ Maximum wireless signal rate derived from 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 Environmental conditions may adversely affect wireless signal range.



D-Link performance results are based on testing with other D-Link 108G enabled devices utilizing Packet Bursting, FastFrames, Turbo Mode and Compression techniques. Data already compressed may not benefit from the D-Link 108G compression technique.



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