

D-Link®
Building Networks for People

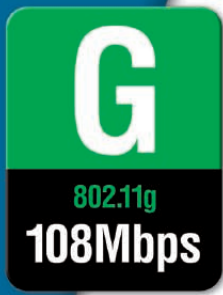
*Even Faster Wireless Networking
from your Desktop PC*



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.

¹ Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate.



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

Security

- 64-, 128-WEP
- 802.1x
- WPA²—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

Range³

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

Weight

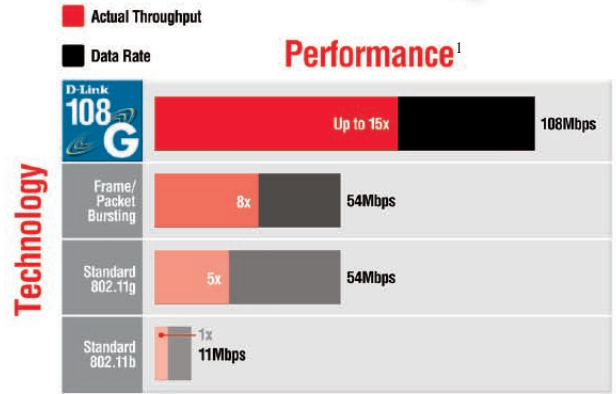
0.12 lb (55g)

Certifications

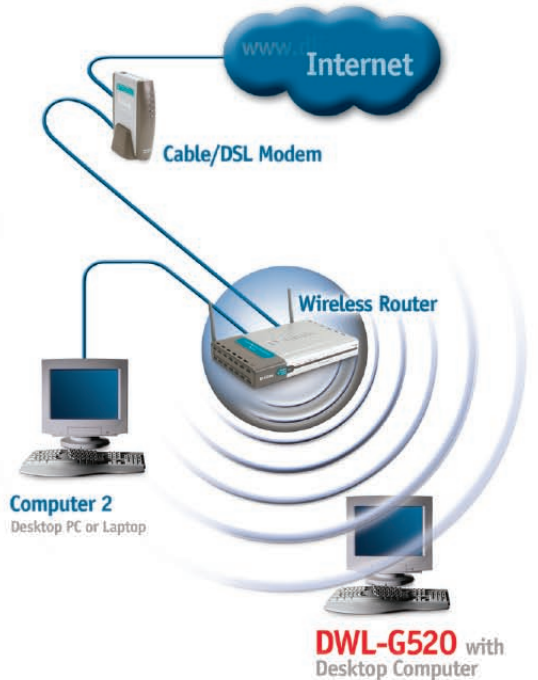
- FCC part 15b

Warranty

3 Year



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 techniques.



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