

*Faster Wireless Networking
from Your Desktop PC*

DWL-AG530



Up to
15X
Faster

- **D-Link 108AG is Backwards Compatible to 11a, 11g, and 11b**
- **Versatility to Use 2.4GHz or 5GHz Frequency When Needed**
- **Connects to any 802.11a, 802.11b and 802.11g Wireless Network**
- **Enhanced Security Features**



AirPremier® AG **11a/11g Dualband Wireless** **108Mbps PCI Adapter**

D-Link, the industry pioneer in wireless networking, introduces another breakthrough in wireless connectivity — the *D-Link AirPremier™ AG DWL-AG530* Wireless PCI Adapter. This tri-mode, dualband adapter gives your desktop PC a versatile way to wirelessly connect to any one of three available wireless networks — 802.11b, 802.11g and 802.11a that operate in two discrete, non-interfering frequency bands: 2.4GHz and 5GHz.

If you are a network administrator, the versatile 802.11a/b/g-compatible DWL-AG530 expands your existing wireless network and protects your overall network investment. By installing DWL-AG530s in desktops throughout your organization, your employees can access wireless APs or routers from their desktop PCs. As your company expands or reorganizes you won't need to spend time and resources re-cabling Ethernet wires because wherever the workstation is relocated to, it will still be wirelessly connected to the network. When you add an 802.11a/b/g access point (*D-Link AirPremier AG DWL-7100AP*) or router (*D-Link AirPremier AG*

DI-784), to your wireless network, you will have an complete wireless solution.

With the enhancement of D-Link 108AG, the DWL-AG530 can achieve wireless speeds up to 108Mbps in a pure D-Link 108AG environment through the use of new wireless technologies such as Packet Bursting, FastFrame, Compression & Encryption, and Turbo mode. This provides bandwidth large enough to handle video/audio streaming and Video on Demand (VoD) applications. The additional (802.11a) 5GHz band also offers a way to quickly transfer data in a frequency range that does not usually experience interference or interruptions.

WPA (Wi-Fi Protected Access) and 802.1x user authentication are both integrated into the DWL-AG530 chipset to offer enhanced security so employees can communicate with colleagues confidentially or access sensitive data. The DWL-AG530 is a high-performance, versatile PCI adapter meant for anyone who needs to connect their desktop PC to a wireless network whether at home, at school, or at the office.

AirPremier® AG

11a/11g Dualband Wireless

108Mbps PCI Adapter

DWL-AG530



SPECIFICATIONS

Standards

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g

Interface

32-bit PCI

Data Rates¹

With Automatic Fallback

- D-Link 108AG: 108Mbps
- 54Mbps • 48Mbps • 36Mbps
- 24Mbps • 18Mbps • 12Mbps
- 11Mbps • 9Mbps • 6Mbps
- 5.5Mbps • 2Mbps • 1Mbps

Security

- 64-, 128-, 152-WEP
- 802.1x
- WPA²—Wi-Fi Protected Access (64-, 128-WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
- Supports Advanced Encryption Standard (AES)

Media Access Control

CSMA/CA with ACK

Frequency Range

- 2.4GHz to 2.5GHz
- 5.260GHz to 5.825GHz

Range³

Indoors: Up to 328 feet (100 meters)

Modulation Technology

- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)
- Direct Sequence Spread Spectrum (DSSS)

Transmitter Output Power

15dBm ± 2dB

Internal Antenna Type

Omni-Directional Dipole Antenna with 2~4 dbi gain

Receiver Sensitivity

- Turbo Mode
- 54Mbps OFDM, 10% PER, -73dBm
- 48Mbps OFDM, 10% PER, -76dBm
- 36Mbps OFDM, 10% PER, -82dBm
- 24Mbps OFDM, 10% PER, -85dBm
- 18Mbps OFDM, 10% PER, -88dBm
- 12Mbps OFDM, 10% PER, -89dBm
- 11Mbps CCK, 8% PER, -91dBm
- 9Mbps OFDM, 10% PER, -90dBm
- 6Mbps OFDM, 10% PER, -91dBm
- 5.5Mbps CCK, 8% PER, -92dBm
- 2Mbps QPSK, 8% PER, -93dBm
- 1Mbps BPSK, 8% PER, -94dBm

Operating Voltage

3.3 VDC 10%

Operating Temperature

32°F to 131°F (0°C to 55°C)

Humidity

95% maximum (non-condensing)

Dimensions

- L = 6.6 inches (168mm)
- W = 4.2 inches (107mm)
- H = 0.16 inches (4mm)

Weight

0.17 lb (77g)

Certifications

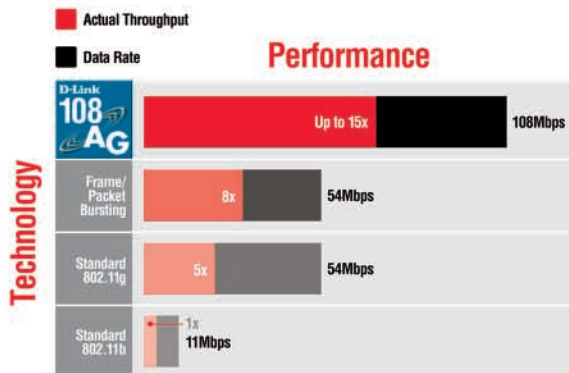
FCC part 15b

Warranty

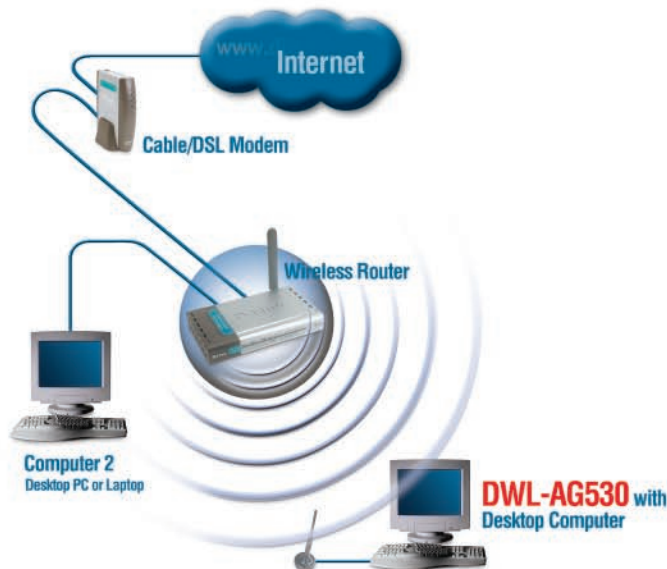
3 Year

Supported Operating Systems

- Windows 98 SE
- Windows Me
- Windows 2000
- Windows XP



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



¹ Maximum wireless signal rate derived from IEEE Standard 802.11a and 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 Driver or firmware upgrade available for download

³ Environmental factors may adversely affect wireless signal range.



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