D-Link®
Building Networks for People

DWL-AB520

Up to 5X Faster
See Back for Details

- 802.11a and 802.11b Compatible
- Dual-Band Access for Network Investment Protection
- Supports Advanced Encryption Security (AES)

ATHEROS DRIVEN™

Wi Fi™
The Standard for Wireless Fidelity.

AirPro Wireless Network
Multimode 2.4/5GHz Wireless
PCI Adapter

11a/b
802.11a & 802.11b

54 Mbps & 11 Mbps

AES SECURITY

FREE 24/7 TECH SUPPORT (USA ONLY)†

D-Link, the industry leader in wireless networking, continues to deliver the most innovative and versatile solutions for networks that need to expand. Introducing D-Link AirPro DWL-AB520, a PCI adapter for desktop computers that can connect to both 802.11b and 802.11a wireless networks.

The DWL-AB520 enables IT managers to plan for future network growth or to immediately expand their wireless network infrastructure when available wireless channels have already been tapped out. The additional high-bandwidth channels available with 802.11a also offer users on the network a robust way to transmit large data files much quicker than what was possible with 802.11b. Network administrators have the option of overlaying an 802.11a network on top of an existing 802.11b network, essentially creating another wireless network of 802.11a users who can communicate discreetly with one another. The DWL-AB520 is IEEE 802.11a and 802.11b compliant and interoperable with other 802.11a and 802.11b compliant devices.

Unlike previous wireless PCI adapters, the DWL-AB520 features a high-gain external antenna that can be positioned in any number of configurations to achieve the best possible signal.
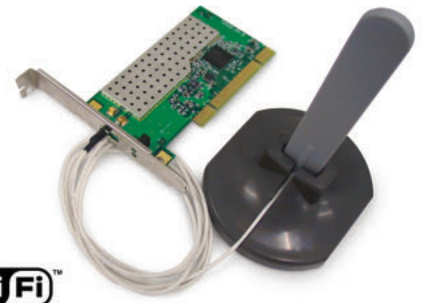
When communicating in the 802.11a bandwidth, the D-Link DWL-AB520 also provides a level of security not previously achievable from other standard wireless solutions. The Atheros 802.11a chipset's utilization of the latest data encryption standard, AES along with 802.1x for user authentication provides a much more formidable barrier to hackers and sniffers, allowing users to share confidential or time-sensitive data with a much greater sense of security. The DWL-AB520 also provides the option to utilize 152-bit WEP with dynamic keying along with 802.1x user authentication to secure 802.11a transmissions.

When used with D-Link's other 802.11a and multimode access points and routers, the DWL-AB520 offers a quick, out-of-box solution to instantly expand a company's network.

*Air*Pro Wireless Network

Multimode 2.4/5GHz Wireless
PCI Adapter

WiFi™
The Standard for
Wireless Fidelity.

DWL-AB520

SPECIFICATIONS

Standards
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.1x

Local Bus Architecture
- PCI 2.2 Compliant
- PCI 32-bit Interface

OS Supported
- Windows 98SE
- Windows Me
- Windows 2000
- Windows XP

Frequency Range
802.11a
- 5.150 - 5.350GHz &
  5.725 - 5.825GHz (U.S. & Canada)
802.11b
- 2400 - 2.497GHz

Data Rates
802.11a
- 6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b
- 1, 2, 5.5, 11 Mbps

Encryption
- Advanced Encryption
  Security (AES)
- 64/128/152-bit WEP
  (Wired Equivalent Privacy)

Radio & Modulation Technology
802.11a
- OFDM (Orthogonal Frequency
  Division Multiplexing)
802.11b
- DSSS (Direct Sequence
  Spread Spectrum)

Media Access Control
- CSMA/CA with ACK

Antenna Type
- Omni-Directional Dipole Antenna
  with 2 ~ 4dBi Gain

Transmit Power
- 802.11a - 13-14 dBm (54Mbps)
- 802.11b - 18 dBm (11Mbps)

Receiver Sensitivity
- 802.11a - 66 dBm (54Mbps)
- 802.11b - 84 dBm (11Mbps)

Operating Voltage
- 3.3VDC ± -10%

Environmental Requirements
- Operating Temperature
  32° to 131°F (0° to 55°C)
- Non-Operating Humidity
  5% to 95% Non-Condensing
- Operating Humidity
  10% to 90% Non-Condensing
- Storage Temperature
  -4° to 167°F (-20° to 75°C)

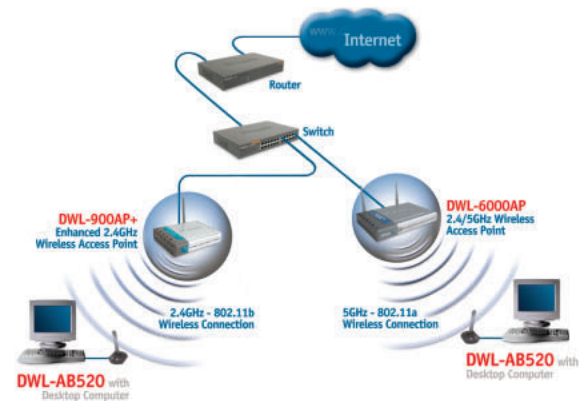**Emissions Compliance**
- FCC Part 15b

Physical Dimensions
- L = 6.6 Inches (168 mm)
- W = 4.2 Inches (107 mm)
- H = .16 Inches (4 mm)

Warranty
- Three Years

Works with Intel Desktop Motherboards

Motherboard	Compatibility
D845PEBT2	✓
D845PESV	✓
D845PECE	✓
D845GEBV2	✓
D845GERG2	✓
D850EMV2	✓
D850EMD2	✓

Internet

Router

Switch

DWL-900AP+
Enhanced 2.4GHz
Wireless Access Point

DWL-6000AP
2.4/5GHz Wireless
Access Point

2.4GHz - 802.11b
Wireless Connection

5GHz - 802.11a
Wireless Connection

DWL-AB520 with
Desktop Computer

DWL-AB520 with
Desktop Computer

Maximize Your Wireless Workstation

ACN 052 202 838

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