



— DWL-610

## 802.11b Wireless LAN CardBus Adapter

The D-Link Air DWL-610 is a powerful CardBus adapter for notebook PCs. This adapter connects you to a 2.4GHz wireless LAN, giving you wireless access to the network. With fast 32-bit PC Card Type II interface, the DWL-610 provides industry standard interoperability, strong data security and ease of use ideal for notebook PC users requiring wireless network connection.

### Industry-standard Interoperability

With IEEE 802.11b wireless LAN industry standard compliance, the DWL-610 adapter provides network interoperability for wireless connectivity.

### Network Security

Security is an issue when data is transmitted without the wires. In the air, transmitted data can be easily intercepted if not well protected by a security scheme. The DWL-610 provides the necessary security, using 64/128-bit industry-

standard WEP (Wired Equivalent Privacy) encryption protocol. Data privacy mechanism is based on a shared key algorithm, as described in the wireless LAN standard.

### Easy Installation

With hot swap and plug-and-play capabilities, the DWL-610 adapter can be easily installed into a notebook PC to provide connectivity directly to another wireless enabled device (ad-hoc mode) or through an Access Point (infra-structure mode).

---

### Key Features

- 32-bit high-performance CardBus (PC Card Type II) adapter for notebook PC
- IEEE 802.11b industry standard compliance
- 2.4GHz frequency band Direct Sequence Spread Spectrum (DSSS)
- 11Mbps data transfer rate
- Security with 64/128-bit WEP data encryption
- Supports Windows 98, 2000, ME, XP

# DWL-610

## Technical Specifications

## 2.4GHz Wireless LAN

### Standards & Hardware Specifications

#### LAN Standard

IEEE 802.11b wireless LAN

#### Adapter Type

PC Card Type II CardBus

#### Media Access Control Protocol

CSMA/CA

#### Network Architecture Types

- Supports Ad-Hoc and Infrastructure Modes
- Cell to cell roaming

#### Data Rates

- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps
- Auto fall-back

#### Data Rate & Modulation Scheme

- 11Mbps: CCK
- 5.5Mbps: CCK
- 2Mbps: DQPSK
- 1Mbps: DBPSK

#### Operating Channels

- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13
- Japan (MKK): 14

#### Sensitivity @ PER<0.08

- 11Mbps: -83dBm @ 8% PEP (Packet Error Rate)
- 2Mbps: -90dBm @ 8% PEP (Packet Error Rate)

#### Frequency Range

2.4 to 2.497 GHz ISM band

#### Modulation Techniques

- Direct Sequence Spread Spectrum (DSSS)
- Complementary Code Keying (CCK)
- 11-chip Barker Sequence

#### Key Management

Automatic Dynamic Key Allocation (ADKA) through public key

#### Data Security

64, 128-bit WEP (Wired Equivalent Privacy) encryption

#### Antenna

Integrated Microstrip antenna

#### Transmitter Output Power

16dBm (typical)

#### Mobility

Seamless roaming across cell boundaries within access point range

#### Range Coverage (Open Environment)

- Indoors: Up to 100 meters (328 feet) \*
- Outdoors: Up to 400 meters (1,312 feet) \*

\* Environmental factors may adversely affect operating range

### Physical & Environmental

#### Diagnostic LEDs

- Link
- Activity

#### Operating Voltage

3.3VDC +/- 5%

#### Power Consumption

- Transmit mode: 350 mA (max.)
- Receive mode: 180 mA (max.)
- Sleep mode: 30 mA (max.)

#### Dimensions

115 (L) x 49 (W) x 5 (H) mm (adapter only)

#### Weight

40 grams (adapter only)

#### Operating Temperature

0° to 55 °C (32° to 131° F)

#### Storage Temperature

-20° to 75° C (-4° to 167° F)

#### Operating Humidity

10% to 90%, non-condensing

#### Storage Humidity

5% to 95%, non-condensing

#### Emission Certification

- FCC Class B
- CE Class B

#### MBTF (Mean Time Between Failure)

> 30,000 hours

#### Software

##### O.S. Support

Windows 98, 2000, ME, XP



### Ordering Information

**DWL-610** 802.11b Wireless LAN CardBus Adapter

Please specify your order as follows:

<b>DWL-610/NA</b>	North America frequency
<b>DWL-610/EU</b>	EU frequency
<b>DWL-610/CN</b>	For China
<b>TDWL-610</b>	For Taiwan
<b>CDWL-610</b>	For Canada



Specifications subject to change without prior notice.  
D-Link is a registered trademark and D-LinkAir is a trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

<b>U.S.A</b>	TEL: 1-949-788-0805	FAX: 1-949-753-7033
<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295095
<b>Europe</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
<b>Germany</b>	TEL: 49-6196-77990	FAX: 49-6196-7799300
<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689
<b>Benelux</b>	TEL: 31-10-2045740	FAX: 31-10-2045880
<b>Italy</b>	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
<b>Iberia</b>	TEL: 34-93-4090770	FAX: 34-93-4910795
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Norway</b>	TEL: 47-22-309075	FAX: 47-22-309085
<b>Denmark</b>	TEL: 45-43-969040	FAX: 45-43-424347
<b>Finland</b>	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
<b>Singapore</b>	TEL: 65-6774-6233	FAX: 65-6774-6322
<b>Australia</b>	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
<b>Japan</b>	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
<b>China</b>	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
<b>India</b>	TEL: 91-22-652-6696	FAX: 91-22-652-8914
<b>Egypt</b>	TEL: 202-62-44615	FAX: 202-62-44583
<b>UAE</b>	TEL: 971-4-3916480	FAX: 971-4-3908881
<b>Turkey</b>	TEL: 90-212-335-2525	FAX: 90-212-335-2500
<b>Israel</b>	TEL: 972-9-9715700	FAX: 972-9-971-5601
<b>Chile</b>	TEL: 56-2-232-3185	FAX: 56-2-232-0923
<b>Brasil</b>	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
<b>South Africa</b>	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
<b>Russia</b>	TEL: 7-095-737-3389	FAX: 7-095-737-3390
<b>Taiwan</b>	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
<b>D-Link Corp.</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299



RECYCLABLE  
Rev. 01 (Jun. 2003)