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
**D-Link**  

**DWL-610**  

**Technical Specifications**

### 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**  
5% to 95%, 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**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Region Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWL-610</td>
<td>802.11b Wireless LAN CardBus Adapter</td>
<td></td>
</tr>
</tbody>
</table>

Please specify your order as follows:

<table>
<thead>
<tr>
<th>Model</th>
<th>DWL-610/NA</th>
<th>DWL-610/EU</th>
<th>DWL-610/CN</th>
<th>TDWL-610</th>
<th>CDWL-610</th>
</tr>
</thead>
<tbody>
<tr>
<td>North America frequency</td>
<td>For China</td>
<td>For Taiwan</td>
<td>For Canada</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DWL-610/NA</td>
<td>DWL-610/EU</td>
<td>DWL-610/CN</td>
<td>TDWL-610</td>
<td>CDWL-610</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications subject to change without notice.**

D-Link is a registered trademark and D-Link Air is a trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietor.