

802.11b Wireless LAN PCMCIA Card

The D-Link Air DWL-660 is a PCMCIA card for notebook PCs. This PC card connects you to a 2.4GHz wireless LAN, giving you fast, secured mobile access to the network. This card gives you up to 11Mbps data transfer rate, industry standard interoperability, 128-bit data security and ease of use, ideal for notebook PC users requiring fast, secure wireless network connection.

Industry-standard Interoperability

With both WiFi™ certification compatibility and IEEE 802.11b wireless LAN industry standard compliance, the DWL-660 provides you with excellent network interoperability.

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-660 provides the necessary security, using the enhanced 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-660 can be easily installed into a notebook PC to provide connectivity directly to another 802.11b wireless enabled device (ad-hoc mode) or through an 802.11b Access Point (infra-structure mode).

Optional External Antenna

The DWL-660 is equipped with an integrated antenna with an effective range of 100 meters indoors, or 300 meters outdoors. Where a longer range is required, you can plug in an optional higher Gain antenna (such as the D-Link DWL-M60AT) through a socket provided for on the DWL-660.

Features

- 16-bit PCMCIA card (PC Card Type II) for notebook PC
- IEEE 802.11b industry standard compliance
- 2.4GHz frequency band Direct Sequence Spread Spectrum (DSSS)
- Up to 11Mbps data transfer rate
- Security with 64/128-bit WEP data encryption
- Supports Windows 98, 2000, ME, XP
- Wi-Fi™ compatibility certified
- Socket for installation of optional higher Gain external antenna

DWL-660

Technical Specifications

2.4GHz Wireless LAN PCMCIA Card

Standards & Hardware Specifications

LAN Standard

IEEE 802.11b wireless LAN

Adapter Type

PCMCIA Card Type II

Media Access Control Protocol

CSMA/CA

Network Architecture Types

- Supports Ad-Hoc and Infrastructure Modes
- Cell to cell roaming (IEEE 802.11b compliant)

Data Rates

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

Data Rate & Modulation

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

Operating Channels

- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13 (Except Spain and France)
- Japan (MKG): 14

Sensitivity @ PER<0.08

- 11Mbps < -82dBm
- 5.5Mbps < -86dBm
- 2 Mbps < -89dBm
- 1 Mbps < -91dBm

Frequency Range

2.4 - 2.4835 GHz

Modulation Technique

Direct Sequence Spread Spectrum (DSSS)

Key Management

Automatic Dynamic Key Allocation (ADKA) through public key

Data Security

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

Antenna

Internal patch antenna supporting diversity

Socket for Optional Antenna

MC Card Plug Socket

Mobility

Seamless roaming across cell boundaries within access point range

Range Coverage (Open Environment)

- Indoors: Up to 100 meters (328 feet)
- Outdoors: Up to 300 meters (984 feet)

Physical & Environmental

Diagnostic LEDs

- Power
- Link/Activity

Operating Voltage

5V DC

Power Consumption

- Transmission: 650 mA (max.)
- Reception: 350 mA (max.)

Dimensions

117.8 (L) x 53.95 (W) x 8.7 (H) mm
(4.64 x 2.12 x 0.34 inches)

Weight

43 grams (0.095 lb.)

Operating Temperature

-10° - 55° C (14° - 131° F)

Storage Temperature

-20° - 75° C (-4° - 167° F)

Humidity

Up to 95%, non-condensing

Emission Certification

- FCC Part 15b (Class B)
- CE Class B
- C-Tick

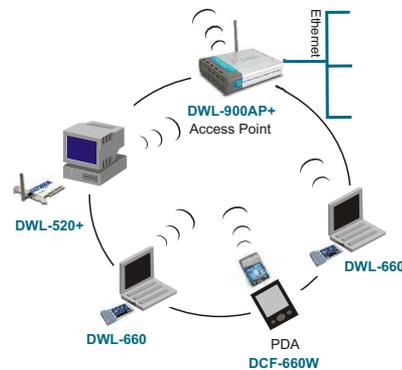
Compatibility Certification

Wi-Fi™

Software

O.S. Support

Windows 95, 98, 2000, ME, XP, NT 4.0



ACN 052 202 838

Ordering Information

DWL-660 IEEE 802.11b Wireless LAN PCMCIA Card

Please specify your order as follows:

DWL-660/NA For North America frequency channels (worldwide type packaging)

DWL-660/EU For EU frequency channels (worldwide type packaging)

DWL-660/CN For EU frequency channels (packaging for China)

Optional Antenna

DWL-M60AT 6dBi Gain Portable Panel Directional Antenna

ANT24-JC Jumper Cable for Conversion from MC Card Plug to Reverse SMA Plug

D-Link®

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Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
U.K.	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-61-96779900	FAX: 49-61-967799300
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Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
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Denmark	TEL: 45-43-969040	FAX: 45-43-424347
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