



Wireless LAN PCI Card

The D-Link Air DWL-520 is an IEEE 802.11B, Wi-Fi compatible wireless PCI adapter. The DWL-520 provides an integrated PCI solution that will operate within the 2.4 GHz Direct Sequence Spread Spectrum (DSSS) for wireless networks in the home or office environment. Along with the advanced wireless technology that is incorporated into the DWL-520, wide range motherboard support is assured by compliance to the latest PCI 2.2 standard interface. The DWL-520 is the solution for users and network administrators looking for the convenience offered by a wireless connection.

The DWL-520 can operate in either Ad-Hoc mode (Peer-to-Peer networking without an access point) or infrastructure mode (Peer-to-Peer networking using an access point). In infrastructure mode, the DWL-520 can be connected to a wireless residential gateway with a broadband connection to enable wireless sharing of the High-speed internet access.

The DWL-520 can transmit data at rates of 11Mbps, 5.5Mbps, 2Mbps and 1Mbps per channel. With its detachable antenna using a reverse SMA connector, the DWL-520 has an effective range of up to 230 feet for indoor use and up to 984 feet in an outdoor environment. In addition, the DWL-520 supports 64/128-bit WEP (Wired Equivalent Privacy) Encryption for network security.

Key Features

- PCI Bus Power Management Interface Specification 1.0 Compliant
- ACPI 1.0 Compliant
- PCI Local Bus Specification Revision 2.2 Compliant
- 3.3V operation
- Plug and Play support
- 2.4 GHz Direct Sequence Spread Spectrum (DSSS) Wireless
- Reverse SMA connector detachable antenna
- Range Coverage: 100feet @11Mbps, 300feet @5.5Mbps or lower
- Data Rate: 11, 5.5, 2 and 1 Mbps per channel

DWL-520

Technical Specifications

Standards:

- IEEE 802.11b

Media Access Protocol

- CSMA/CA with ACK

Network Protocol

- TCP/IP
- IPX
- NDIS3
- NDIS4

Host Interface

- PCI Local Bus Specification 2.2

Frequency Frequency:

- 2.412 ~ 2.462GHz (N. America)
- 2.412 ~ 2.4835GHz (Japan TELEC)
- 2.412 ~ 2.472GHz (Europe ETSI)
- 2.457 ~ 2.462GHz (Spain)
- 2.457 ~ 2.472GHz (France)

Number of Channels:

- USA & Canada: 11
- Most European countries: 13
- France: 4
- Japan: 13
- Spain: 2

Data Rate:

- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps

Supplied Driver

- Windows NT 4.0
- Windows 98
- Windows ME
- Windows 2000
- Windows XP

Operating Voltage

- 3.3V±5%

Chipset

- Intersil Prism 2.5

Transmit Power

- 15dBm @ Nominal Temp Range

Security

- 40-bit WEP Encryption
- optional 128-bit

Antenna

- Reverse SMA connector with a detachable antenna

Operating Range

- Indoors: per cell, up to 230 feet
- Outdoors: per cell, up to 984 feet

Wireless LAN

Receive Sensitivity

- Nominal Temp Range:
 - 1 Mbps 10-5 BER @ -89 dBm, minimum
 - 5.5 Mbps 10-5 BER @ -83 dBm, minimum
 - 11 Mbps 10-5 BER @ -80 dBm, minimum

Modulation

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

Physical Dimensions

- 4.75(L) x 2.5(W) x 0.01(H) inches

Weight

- 0.17 lbs

LED Indicator

- Power

Temperature Range

- 0 ~ 50°C (Operating)
- -20 ~ 70°C (Storing)

Humidity

- Max. 95% Non-condensing

Roaming

- Full mobility and seamless roaming from cell to cell and across points

Ordering Information

DWL-520/NA	For N.A. frequency channel
DWL-520/EU	For EU frequency channel
DWL-520/FR	For France frequency channel

D-Link®

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