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Product Specification

Product Name: **D-Link DWL-520**

Model: **DWL-520**

Introduction: **November 2001**

Description:
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 D-Link 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 11Mpbs, 5.5Mbps, 2Mps and 1 Mbps 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.

Technical Specifications:

Chipset
- Intersil Prism 2.5

Standards
- IEEE 802.11b
- Wi-Fi compatible
- PCI power bus management interface specification – 1.0 compliant
- ACPI 1.0 compliant

Local Bus Architecture
- PCI 2.2 compliant

Management Utility
- Diagnostics
- Link Configuration for joining wireless networks

Protocols
- TCP/IP
- IPX/SPX
- NetBEUI
- NDIS5.1
- DHCP

System Requirements
- Desktop with an available PCI 2.2 compliant slot

Supported OS
- Windows 98
- Windows ME
- Windows 2000
- Windows XP

Data Security
- 64/128-bit WEP (Wired Equivalent Privacy) Encryption

Data Rate & Modulation
- 11Mbps: CCK
- 5.5Mbps: CCK
- 2Mbps: DQPSK
- 1Mbps: DBPSK

Range
- Indoors – per cell, up to 230 feet
- Outdoors – per cell, up to 984 feet

Diagnostic LED
- Power

Media Access Control
- CSMA/CA with ACK

Current Consumption
- 350mA

Operating Voltage
- 3.3V± 5%

Transmit Power
- 15dBm @ Nominal Temp Range

Receive Sensitivity

Nominal Temp Range

- 11 Mbps 10-5 BER @ -80 dBm, minimum

Network Architecture

- Supports Ad-Hoc Mode (Peer-to-Peer without Access Point) or Infrastructure Mode (Communications to wired networks via Access Points with Roaming)

Antenna:

- Reverse SMA connector with a detachable antenna

Frequency Range

- 2.400 – 2.4835 GHz, Direct Sequence Spread Spectrum (DSSS)

Operating Channels

- 1-11 United States (FCC)
- 1-11 Canada (DOC)
- 1-14 Japan (MKK)
- 1-13 Europe (Except Spain and France) (ETSI)

Physical Dimensions

- L = 4.75 inches
- W = 2.50 inches
- H = 0.01 inches
- Weight = 0.17 lbs

Temperature

- Operating: 0°C to 55°C
- Storing: -20°C to 65°C

Humidity:

- Max. 95%, non-condensing

Emissions:

- FCC part 15B, 15C ; R&TTE ; TELEC/JATE

Warranty

- One Year