



- Easy Installation
- Fully 802.11a & 802.11b Compatible
- Up to 72Mbps in 5GHz & up to 22Mbps in 2.4GHz
- More Non-Overlapping Channels, Less Interference



## **AirPro** Wireless Network 2.4GHz/5GHz Multimode Wireless Access Point



The new D-Link *AirPro*<sup>™</sup> DWL-6000AP Multimode Wireless Access Point simultaneously connects to both 802.11a and 802.11b wireless networks. With a total of eleven non-overlapping channels, the DWL-6000AP is the ideal solution for any network administrator who needs to expand the capacity of the wireless network and allow users on different frequencies to connect.

Featuring the latest dual-band technology in 2.4GHz and 5GHz, it is also a best-of-both-worlds solution for those operating wireless networks in public areas where the extra bandwidth can attract additional paying customers. This is especially applicable to wireless networks in high traffic areas such as airports, coffee shops, shopping centers, sporting venues, and university campus deployments.

At transfer rates of up to 72Mbps in the 5GHz frequency range and 22Mbps in the 2.4GHz frequency range, users connected to the DWL-

6000AP will enjoy faster downloads and email communication.

The DWL-6000AP combines the latest advancements in 802.11b silicon chip design from Texas Instruments, utilizing their patented Digital Signal Processing<sup>™</sup> technology along with impressive high-speed performance and features of the Atheros 802.11a chip design.

In addition to bridging 802.11a and 802.11b wireless networks, the D-Link *AirPro* DWL-6000AP can bridge to wired networks with its integrated 10/100 Ethernet port.

For more secure communication, the DWL-6000AP supports user-selectable encryption settings — up to 152-bit WEP on the 5GHz band and up to 256-bit WEP on the 2.4GHz band. With its web-based configuration and AP Manager, the DWL-6000AP is easy to install and manage.

# AirPro Wireless Network 2.4GHz/5GHz Multimode Wireless Access Point

## SPECIFICATIONS

### Device Specifications

#### Device Management

- Web-Based – Internet Explorer v5 or later; Netscape Navigator v4 or later; or other Java-enabled browsers
- Access Point Manager

#### Media Access Control

CSMA/CA with ACK

#### Ports

- (1) 10/100Base-T Ethernet, RJ-45 (UTP)

#### Diagnostic LEDs

- Power (Green)
- 10/100M Link/Act (Green)
- 11a WLAN (Green)
- 11b WLAN (Green)

#### Standards

- IEEE 802.11
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.1d
- IEEE 802.3
- IEEE 802.3u

#### Available Channels

Eleven non-overlapping channels

#### Antenna Type

- Dual 5dBi dipole antenna with diversity (standard)

#### Transmitter Output Power

15dBm ± 2dB

#### Power Input

External Power Supply — DC 5V, 2.5A

#### Temperature

- 32°F to 131°F ( 0°C to 55°C)
- Storing: -25°C to 65°C (-77°F to 140°F)

#### Humidity

5%-95% RH non-condensing

#### Physical Dimensions

- L = 9.25 inches / 91.2mm
- W = 6.25 inches / 54mm
- H = 1.50 inches / 36.4mm

#### Weight

~2.0 lbs / 907 grams

#### Certifications

- FCC part 15b
- UL1950-3

#### Warranty

3 Year (details inside product package)

### 802.11a Specifications

#### Data Rates

6, 9, 12, 18, 24, 36, 48, 54, 72 Mbps

#### Data Security

- 64, 128, 152-bit WEP (Wired Equivalent Privacy) Encryption with Dynamic Keying
- Access Control List

#### Frequency Range

5.150 - 5.350GHz

#### Modulation Technology

Orthogonal Frequency Division Multiplexing (OFDM)

#### Modulation Techniques

- BPSK
- 16 QAM
- QPSK
- 64 QAM

### Enhanced 802.11b Specifications

#### Data Rate

1, 2, 5.5, 11, 22Mbps

#### Data Security

- 64, 128, 256-bit WEP (Wired Equivalent Privacy) Encryption
- Access Control List

#### Frequency Range

2.4GHz to 2.462GHz

#### Operating Range

Indoors: Up to 328 feet / 100 meters

#### Modulation Technology

- PBCC - Packet Binary Convolutional Coding
- Direct Sequence Spread Spectrum (DSSS)
- 11-chip Barker sequence

#### Modulation Techniques

- Barker (1Mbps/0db)
- Barker (2Mbps/3db)
- CCK (5.5 Mbps/5.5db)
- PBCC (5.5Mbps/1.5db)
- CCK (11Mbps/8.5db)
- PBCC (11Mbps/4.5db)
- PBCC (22Mbps/8.5db)

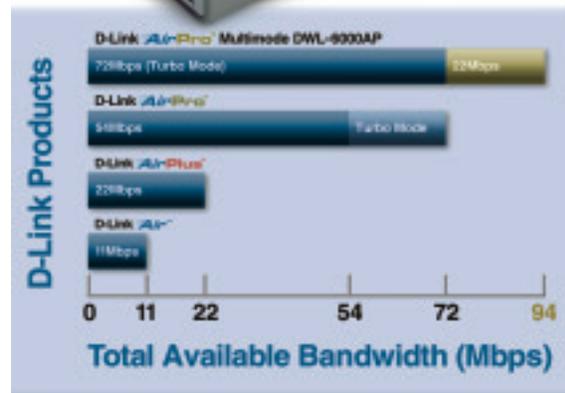
### Product Information

Part No: DWL-6000AP

Description: 2.4GHz/5GHz

Multimode Wireless Access Point

UPC: 790069-245442



The D-Link AirPro™ DWL-6000AP is a versatile multimode wireless access point that expands the capacity of wireless networks by bridging 802.11a and 802.11b networks. To achieve maximum throughput, the D-Link DWL-6000AP Multimode Access Point can simultaneously transfer data at speeds up to 72Mbps ("Turbo" mode) in the 5GHz frequency band and up to 22Mbps in 2.4GHz band.



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\* 24/7 Tech Support is available only in USA.

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