

AirPro

Up to
5X
Faster

Up to
2X
Faster



DWL-6000AP

5GHz and 2.4GHz dualband Access Point for wireless LAN users, with dual diversity antennas, one for 5GHz, the other for 2.4GHz frequency band.

Dualband 802.11a/b+ Wireless LAN Access Point

The D-Link AirPro DWL-6000AP is a powerful dualband wireless LAN Access Point that gives 2.4GHz and 5GHz wireless LAN users fast, secure access to both 802.11a and 802.11b+ wireless networks. With data transfer rates at up to 54Mbps (108Mbps Turbo mode for FCC regulation) for 802.11a, and 22Mbps for 802.11b+, this device provides flexible dualband connections, plus a strong security scheme for data traveling on the air. Strictly complying to industry standards, the DWL-6000AP gives wireless users the bandwidth, security and other enhanced features without compromising interoperability with network equipment, including 11Mbps 802.11b and Ethernet-based networks.

Flexible Dualband

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.

High Bandwidth

At transfer rates of up to 54Mbps (108Mbps Turbo mode for US) 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 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 10/100Mbps Ethernet port.

Network Security

For more secure communication, the DWL-6000AP supports user-selectable encryption settings of 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 APManager, the DWL-6000AP is easy to install and manage.

Key Features

- Flexible dualband for IEEE 802.11a/b standards
- Up to 54Mbps (108Mbps Turbo mode for FCC regulation) in 5GHz & up to 22Mbps in 2.4 GHz
- 64/128/152-bit WEP data encryption for 802.11a
- 64/128/256-bit WEP data encryption for 802.11b+
- Web-based configuration and management
- Dual diversity antennas for the multi-path environment
- 802.1x & RADIUS client security
- DFS/TPC for European operation support
- 10/100Mbps Fast Ethernet port to bridge wireless LAN with Ethernet-based network & servers

DWL-6000AP

Technical Specifications

5GHz & 2.4GHz Wireless LAN

Standards

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

Media Access Control

CSMA/CA with ACK

Ethernet Port

10/100Mbps Fast Ethernet port

Operating Channels (802.11a)

- US & Canada: 12
- Europe: 19
- Japan: 4

Operating Channels (802.11b+):

- US & Canada: 11
- Europe: 13 (Except Spain and France)
- Japan: 14

Data Rates

- 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps
- 802.11b+: 1, 2, 5.5, 11, 22Mbps

Data Security

- 802.11a: 64, 128, 152-bit WEP (Wired Equivalent Privacy) Encryption with Dynamic Keying
- 802.11b+: 64, 128, 256-bit WEP (Wired Equivalent Privacy) Encryption
- Access Control List

Frequency Range (802.11a)

- US & Canada: 5.15 - 5.350GHz & 5.725 - 5.825GHz
- Japan: 5.15 - 5.25GHz
- Europe: 5.15 - 5.35GHz & 5.47 - 5.725GHz

Frequency Range (802.11b+)

2.4 - 2.497GHz

Radio & Modulation Technology (802.11a)

- BPSK
- QPSK
- 16 QAM
- 64 QAM
- OFDM

Radio & Modulation Technology (802.11b+)

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

Antennas

- 5dBi dipole antenna for 5GHz frequency
- 2dBi dipole antenna for 2.4GHz frequency

Transmitter Output Power

- 802.11a: 16 dBm (54Mbps)
- 802.11b+: 18 dBm (11Mbps)

Receiver Sensitivity

- 802.11a: -66 dBm (54Mbps)
- 802.11b+: -83 dBm (11Mbps)

Operating Range

Up to 100 m (328 feet) indoors

Device Management

- Web-Based management
- Access Point Manager

Diagnostic LEDs

- Power
- 10M Link/Act
- 100M Link/Act
- 802.11a WLAN
- 802.11b WLAN

Physical & Environmental

Power Input

- DC 5V, 2.5A
- External AC power adapter

Dimensions

91.2 (L) x 54 (W) x 36.4 (H) mm
(9.25 x 6.25 x 1.50 inches)

Weight

500 grams (1.1 lbs)

Operating Temperature

0° - 55°C (32° - 131°F)

Storage Temperature

-25° - 65°C (-77° - 140°F)

Humidity

5% - 95% RH non-condensing

Emission

- FCC Class B
- CE Class B

Safety

- CSA60950
- UL60950
- IEC60950



Ordering Information

DWL-6000AP

IEEE 802.11a/b Dualband Wireless LAN
Access Point

D-Link®

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