D-Link®
Building Networks for People

Wireless Networking Beyond Ethernet

DWL-2000AP

- Up to 54Mbps with D-Link *Air*Plus Xtreme G™ products
- Better Wireless Security with 802.1x and WPA*
- Works with 802.11b-compliant adapters
- Four different operational modes

2.4 GHz

5X FASTER

WEB BASED CONFIGURATION

FREE 24/7 TECH SUPPORT (USA ONLY)†

AirPlus XTREME G™

High-Speed 2.4GHz Wireless Access Point

D-Link introduces another performance breakthrough in wireless connectivity—the **D-Link AirPlus Xtreme G™** series of high-speed devices capable of transfer rates up to 54Mbps. And with the new *AirPlus Xtreme G DWL-2000AP Wireless Access Point,* D-Link once again sets a new standard for wireless access points.

The DWL-2000AP can be configured to perform in any one of four modes — as a wireless access point, as a point-to-point bridge with another access point, as a point-to-multi-point wireless bridge, or as a wireless client. It also includes an embedded DHCP server that once enabled will automatically assign IP addresses to wireless clients. This unique feature makes the DWL-2000AP an ideal solution for quickly creating and extending a wireless local area network (WLAN) in offices or other workplaces, or even at trade shows and other special events.

Several wireless clients can also securely connect to the network with the DWL-2000AP using 802.1x* for wireless user authentication, as part of WPA* (Wi-Fi Protected Access) providing a much higher level of security for network data and communication.

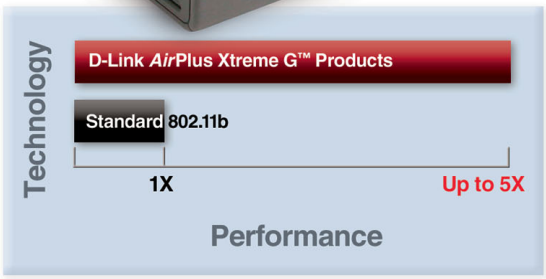
The DWL-200AP is also fully compatible with the IEEE 802.11b standard, so it connects with all existing 802.11b-compliant devices. But unlike standard 802.11b access points, its transfer rate can be up to five times faster when the wireless network is comprised of other D-Link AirPlus Xtreme G products such as the DWL-G520 Wireless PCI Adapter, DWL-G650 Wireless Cardbus Adapter.

* Available Spring 2002

AirPlus Xtreme G™

High-Speed 2.4GHz Wireless

Access Point



SPECIFICATIONS

Standards
- IEEE 802.11g-Draft
- IEEE 802.11b
- IEEE 802.11
- IEEE 802.3
- IEEE 802.3u

Device Management
- Web-Based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java- enabled browsers.
- DHCP Server or Client

Wireless Data Rates With Automatic Fallback
- 54Mbps
- 48Mbps
- 36Mbps
- 24Mbps
- 18Mbps
- 12Mbps
- 11Mbps
- 9Mbps
- 6Mbps
- 5.5Mbps
- 2Mbps
- 1Mbps

Security
- 64-, 128-WEP
- 802.1x
- WPA —Wi-Fi Protected Access (64-, 128-WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)

Media Access Control
CSMA/CA with ACK

Wireless Frequency Range
2.4GHz to 2.4835GHz

Wireless Operating Range*
Indoors: Up to 328 ft (100 meters)
Outdoors: Up to 1312 ft (400 meters)

Modulation Technology
- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)

* Environmental conditions may adversely affect wireless signal range.

Receiver Sensitivity
- 54Mbps OFDM, 10% PER,-68dBm)
- 48Mbps OFDM, 10% PER,-68dBm)
- 36Mbps OFDM, 10% PER,-75dBm)
- 24Mbps OFDM, 10% PER,-79dBm)
- 18Mbps OFDM, 10% PER,-82dBm)
- 12Mbps OFDM, 10% PER,-84dBm)
- 11Mbps CCK, 8% PER,-82dBm)
- 9Mbps OFDM, 10% PER,-87dBm)
- 6Mbps OFDM, 10% PER,-88dBm)
- 5.5Mbps CCK, 8% PER,-85dBm)
- 2Mbps QPSK, 8% PER,-86dBm)
- 1Mbps BPSK, 8% PER,-89dBm)

Wireless Transmit Power
15dBm (32mW) ± 2dB

External Antenna Type
1.0dB gain with reverse SMA connector

LEDs
- Power
- WAN
- LAN (10/100)
- WLAN (Wireless Connection)

Temperature
- Operating: 32°F to 149°F (0°C to 55°C)
- Storing: 4°F to 167°F (-20°C to 75°C)

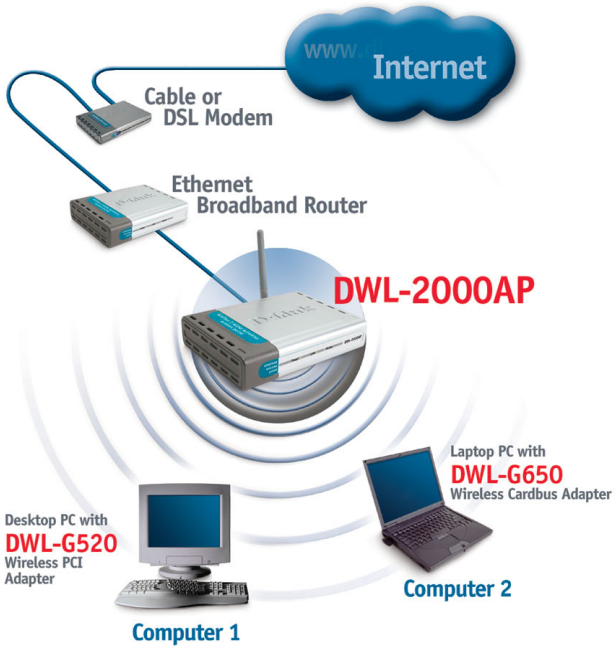
Humidity
95% maximum (non-condensing)

Power Input
Ext. Power Supply DC 5V, 2.0A

Safety & Emissions
- FCC
- UL

Dimensions
- L = 5.6 inches (142mm)
- W = 4.3 inches (109mm)
- H = 1.2 inches (31mm)

Weight
0.44 lbs (200g)



D-Link Mediterraneo S.r.L. via Nino Bonnet 6/B 20154 Milano (Italy) www.dlink.it
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