

D-Link®

Building Networks for People

108Mbps Wireless Networking

DWL-2100AP



Up to
15X
Faster

- Up to 108Mbps with D-Link 108G Products
- Improved Wireless Security with WPA and 802.1X Authentication
- SNMP Management Software Included
- More Mobility with WDS and Five Operational Modes

AirPlus Xtreme G™

802.11g/2.4GHz Wireless

108Mbps Access Point

D-Link, the industry pioneer in wireless networking, introduces a performance breakthrough in wireless connectivity – **D-Link AirPlus Xtreme G™** series of high-speed devices now capable of delivering transfer rates up to 15x faster than the standard 802.11b with the new D-Link 108G. With the new *AirPlus Xtreme G* DWL-2100AP Wireless Access Point, D-Link sets a new standard for wireless access points.

With the D-Link 108G enhancement, the DWL-2100AP can achieve wireless speeds up to 15x in a pure D-Link 108G environment through the use of new wireless technologies such as Packet Bursting, Fast Frame, Compression & Encryption, and Turbo mode. These technologies enable a throughput high enough to handle video/ audio streaming and future bandwidth-intense applications. The DWL-2100AP also supports SNMP v.3 for better network management with the provided Wireless AP Manager software that manages network configuration and firmware upgrades. For Enterprise networks, the DWL-2100AP supports network administration and real-time network traffic monitoring via D-Link's D-View Network Management software.

The DWL-2100AP features WDS (Wireless Distribution System) that can be configured to perform in any one of five modes: a Wireless Access Point, a Point-to-Point (PtP) bridge with another DWL-2100AP, a Point-to-Multipoint (PtMP) bridge, a Repeater for range extension, or as a Wireless Client. The WDS feature makes the DWL-2100AP an ideal solution for quickly creating and extending a wireless local area network (WLAN) in offices or other workplaces, or even at hotspots.

Wireless security is addressed as the DWL-2100AP uses WPA (Wi-Fi Protected Access) and 802.1X authentication to provide a higher level of security for data communication amongst wireless clients. The DWL-2100AP is also fully compatible with the IEEE 802.11b and 802.11g standards. With great manageability, versatile operation modes, solid security enhancement, the cost-effective D-Link *AirPlus Xtreme G* DWL-2100AP Wireless Access Point provides the ultra-fast 108Mbps speed and everything else a network professional dreams of.

2.4
GHz



ENHANCED
SECURITY

SNMP
MANAGEMENT
SUPPORT

D-Link
108
G

FREE
24/7
TECH
SUPPORT
(USA ONLY)

AirPlus Xtreme G™

802.11g/2.4GHz Wireless

108Mbps Access Point



DWL-2100AP

SPECIFICATIONS

Standards

- IEEE 802.11g
- 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.
- SNMP v.3

Wireless Distribution System

- AP Client
- PtP Bridge
- PtMP Bridge
- Repeater

Security

- 64-, 128 152-bit WEP
- 802.1X (EAP-MD5, EAP-TLS, EAP-TTLS and EAP-PEAP)
- WPA — Wi-Fi Protected Access
- MAC Address Access Control (WPA-TKIP and WPA-AES)

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)
- DQPSK
- DBPSK

Wireless Transmit Power

15dBm (32mW) ± 2dB
(Control TX power level from full, 50%, 25%, 125% and min.)

Receiver Sensitivity

- 54Mbps OFDM, 10% PER, -66dBm
- 48Mbps OFDM, 10% PER, -71dBm
- 36Mbps OFDM, 10% PER, -76dBm
- 24Mbps OFDM, 10% PER, -80dBm
- 18Mbps OFDM, 10% PER, -83dBm
- 12Mbps OFDM, 10% PER, -85dBm
- 11Mbps CCK, 8% PER, -83dBm
- 9Mbps OFDM, 10% PER, -86dBm
- 6Mbps OFDM, 10% PER, -87dBm
- 2Mbps QPSK, 8% PER, -89dBm

External Antenna Type

1.0dB Dipole with reverse SMA connector

LEDs

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

Temperature

- Operating: 32°F to 140°F (0°C to 40°C)
- Storing: 4°F to 149°F (-20°C to 65°C)

Humidity

95% maximum (non-condensing)

Power Input

Ext. Power Supply DC 5V, 2.0A

Safety & Emissions

- FCC • UL • VCCI • CSA • EN

Dimensions

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

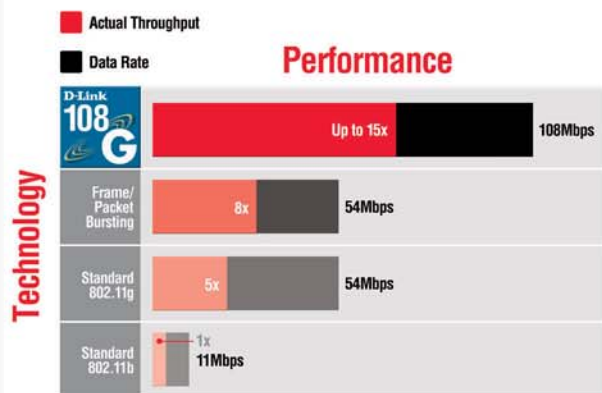
Weight

0.44 lbs (200g)

Warranty

3 Year

* Environmental conditions may adversely affect wireless signal range.



D-Link performance results are based on testing with other D-Link 108G enabled devices utilizing Packet Bursting, FastFrames, Turbo Mode and Compression techniques. Data already compressed may not benefit from the D-Link 108G compression technique.



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