

D-Link®

Building Networks for People

108Mbps¹ Wireless Networking

DWL-2100AP



Up to
15X
Faster

- Up to 108Mbps¹ 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

108Mbps¹ Access Point

2.4
GHz



ENHANCED
SECURITY

SNMP
MANAGEMENT
SUPPORT

D-Link
108
G

FREE
24/7
TECH
SUPPORT
(USA ONLY)

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 wireless signal rates and everything else a network professional dreams of.

802.11g/2.4GHz Wireless

108Mbps¹ Access Point



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 Range²

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

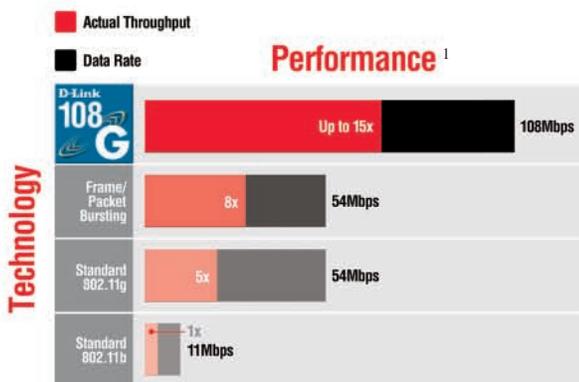
0.44 lbs (200g)

Warranty

3 Year

¹ Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

² 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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