D-Link®
Building Networks for People

Wireless Networking Beyond Ethernet

DWL-2000AP

- **Atheros Super G™ — Backwards Compatible to 11g & 11b**
- **Better Wireless Security with 802.1x and WPA**
- **Four Different Operational Modes**

G
802.11g
108Mbps

AirPlus XTREME G®

High-Speed 802.11g Wireless

108Mbps[1] Access Point

WEB BASED CONFIGURATION

Total 802.11 Super G™ ATHEROS

FREE 24/7 TECH SUPPORT (USA ONLY)†

D-Link introduces another performance breakthrough in wireless connectivity — the ***D-Link AirPlus Xtreme G***™ series of high-speed networking products. With Atheros' new Super G™ mode, D-Link again sets a new standard for wireless access points.

With the enhancement of Atheros new Super G™ mode, the DWL-2000AP can achieve wireless speeds up to 15x faster than standard 802.11b in a pure Super G environment through the use of new wireless techniques such as Packet Bursting, FastFrame, Compression & Encryption, and Turbo mode. This provides a bandwidth large enough to handle video/audio streaming and Video on Demand (VoD) applications.

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-2000AP 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 maximum wireless signal rate can be up to five times faster when the wireless network is comprised of other D-Link *Air*Plus *Xtreme G* products such as the DWL-G520 Wireless PCI Adapter, DWL-G650 Wireless Cardbus Adapter.

AirPlus XTREME G®

High-Speed 802.11g Wireless

108Mbps[1] Access Point

DWL-2000AP

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.
- DHCP Server or Client

Wireless Signal Rates[1] With Automatic Fallback
- Super G™ 108Mbps
- 54Mbps
- 48Mbps
- 36Mbps
- 24Mbps
- 18Mbps
- 12Mbps
- 11Mbps
- 9Mbps
- 6Mbps
- 5.5Mbps
- 2Mbps
- 1Mbps

Security
- 64-, 128-WEP
- 802.1x
- WPA[2] —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[3]
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)

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

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)

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

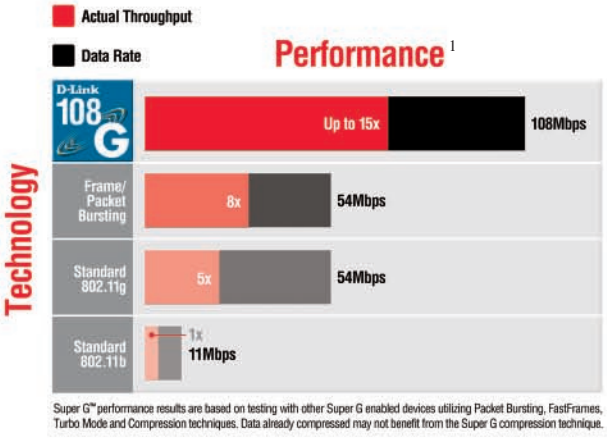
Safety & Emissions
- FCC
- UL

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

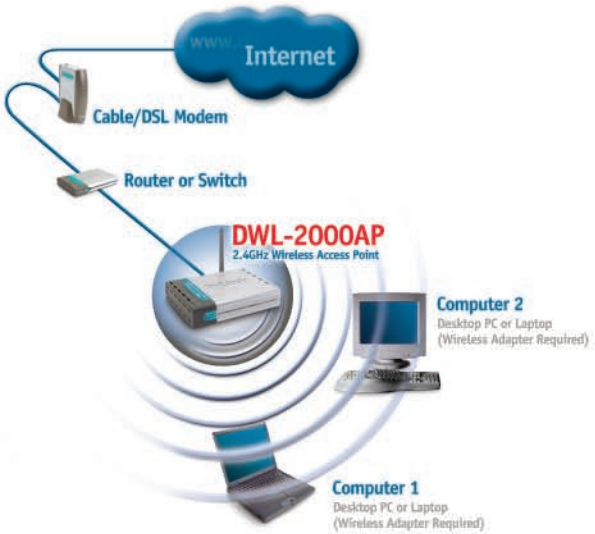
Weight
0.44 lbs (200g)

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] Driver or firmware upgrade download available Q3 2003.
[3] Environmental conditions may adversely affect wireless signal range.



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



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