



— DWL-G700AP

802.11g Indoor Wireless Access Point

The AirPlus G DWL-G700AP is an 802.11g standard high-speed wireless access point designed for cost-effective home and small office wireless connection. This device features the latest advanced wireless silicon chip technology with enhanced security to shield and protect your wireless communication from intruders. It provides high network speeds of up to 54Mbps when used with other 802.11g standard wireless products, delivering throughput speeds capable of handling heavy data payloads.

Up to 54Mbps Wireless Speed

The DWL-G700AP access point provides speeds of up to 54Mbps when used with other 802.11g equipment. This enhanced speed and adoption of 2.4GHz frequency, now available for public use in most countries, plus the mobility and convenience inherent in a wireless LAN, make this device an ideal solution for bandwidth intensive wireless applications at home and office.

Easy Migration to Higher Bandwidth

The DWL-G700AP access point is backward compatible with 802.11b standard wireless devices, providing seamless interoperability with the earlier standard equipment. By maintaining compatibility with your existing wireless network equipment, this device lets you upgrade to a higher speed while protecting your past investments in networking.

Advanced Network Security

The DWL-G700AP provides maximum security by supporting standard WEP 64/128-bit data encryption and Wi-Fi Protected Access (WPA), which includes support for TKIP (Temporal Key Integrity Protocol), Pre Shared Key (PSK) and 802.1x user authentication (used in conjunction with a RADIUS server). In addition, this AP also supports the latest-standard WPA2 that features AES (Advanced Encryption Standard) with backward compatibility with WPA. The access point includes an embedded DHCP server that can automatically assign IP addresses to wireless network clients for network access. MAC Address Filtering and Disable SSID Broadcast are some other highlights of this wireless AP, designed to give everything a network administrator needs to set up a robust wireless network security.

Features

- 802.11g 2.4GHz standard
- Up to 54Mbps wireless data transfer rates
- 10/100BASE-TX port for connection to Ethernet or DSL/cable modem
- Compatible with existing 802.11b wireless devices
- Built-in DHCP server for multiple user access

- 64/128-bit WEP data encryption
- WPA and the latest standard WPA2 security support
- Web-based configuration & management

* Maximum wireless signal rate based on standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors may lower actual data throughput rate.

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Technical Specifications

2.4GHz Wireless LAN

Network Standards

- 802.11g wireless LAN
- 802.11b wireless LAN
- 802.3/802.3u 10BASE-T/100BASE-TX Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation

Media Access Control Protocol

CSMA/CA with ACK

Network Architecture Type

Infra-structure mode

Operating Frequency

2.4 to 2.4835 GHz ISM band

Operating Channels

- FCC: 11
- ETSI: 13

Radio and Modulation Schemes

DQPSK, DBPSK, CCK, OFDM

Receive Sensitivity (for 802.11b)

(at 8% PER)

- -80dBm at 11Mbps
- -84dBm at 5.5Mbps
- -87dBm at 2Mbps
- -88dBm at 1Mbps

Receive Sensitivity (for 802.11g)

(at 10% PER)

- -82dBm at 6Mbps
- -81dBm at 9Mbps
- -79dBm at 12Mbps
- -77dBm at 18Mbps
- -74dBm at 24Mbps
- -70dBm at 36Mbps
- -66dBm at 48Mbps
- -65dBm at 54Mbps

Transmit Output Power (for 802.11b)

Minimum +16dBm typically

Transmit Output Power (for 802.11g)

Minimum +13dBm typically

Security

- 64/128-bit WEP data encryption
- WPAEAP, WPA PSK
- WPA2 AES
- MAC address filtering
- SSID broadcast disable function

Antenna

2dBi Gain detachable external omni-directional dipole antenna with RP-SMA connector

Operation Range

- Indoors: up to 100 meters *
- Outdoors: up to 300 meters *

* Environmental factors may adversely affect range

Device Management

Web-based management through Internet Explorer v.6 or later, Netscape Navigator v.6 or later or other Java-enabled browser

Physical & Environmental

Diagnostic LEDs

- Power
- WLAN
- LAN

Operating Voltage

7.5VDC 1A

Power Input

Through external power adapter

Dimensions

142 (L) x 109 (W) x 31 (H) mm (5.59 x 4.29 x 1.22 inches)

Weight

200 grams (0.44 lb)

Operating Temperature

0° to 55 °C

Storage Temperature

-10° to 70 °C

Operating Humidity

10% to 90% non-condensing

Storage Humidity

5% to 95% non-condensing

Certification

- FCC Part 15.247
- ETS 300 328
- C-Tick



Ordering Information

DWL-G700AP 802.11g Wireless LAN Access Point

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TEL: 1-800-326-1688

TEL: 1-905-8295033

TEL: 44-20-8731-5555

TEL: 49-6196-77990

TEL: 33-1-30238688

TEL: 31-10-282-1445

TEL: 32(0)2-517-7111

TEL: 39-02-2900-0676

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TEL: 45-43-969040

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FAX: 1-866-743-4905

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FAX: 44-20-8731-5511

FAX: 49-6196-7799300

FAX: 33-1-30238689

FAX: 31-10-282-1331

FAX: 32(0)2-517-6500

FAX: 39-02-2900-1723

FAX: 46-(0)8564-61901

FAX: 45-43-424347

FAX: 47-22-309085

FAX: 358-9-2707-5081

FAX: 34-93-4910795

FAX: 351-21-8688493

FAX: 41(0)-1-832-11-01

FAX: 30-210-9916902

FAX: 32-(0)2-517-6500

FAX: 48-(0)-22-583-92-76

FAX: 36-(0)-1-461-30-09

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FAX: 61-2-8899-1868

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FAX: 971-4-3908881

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FAX: 972-9-9715601

FAX: 56-2-232-0923

FAX: 55-11-218-59322

FAX: 27-12-665-2186

FAX: 7-095-744-0099 #350

FAX: 86-10-58635799

FAX: 886-2-2910-1515

FAX: 886-2-2914-6299