



DWL-1700AP

- Ideal for Creating Internet Hotspots
- Rugged Outdoor Housing
- Enhanced Security with 802.1x and Built-in Firewall
- Easy to Install

AirPremier

Outdoor 2.4GHz Wireless Access Point



D-Link, the industry pioneer in wireless networking, now offers economical wireless outdoor solutions. The D-Link AirPremier *DWL-1700AP* is a 2.4GHz IEEE 802.11b-compatible Wireless Access Point. The *DWL-1700AP* covers a large operating distance to provide 11Mbps wireless LAN and broadband Internet access. The *DWL-1700AP* is ideal for Internet Service Providers, store merchants and other small business owners to create networks and provide outdoor users with wireless Internet access. It can also be used in many other outdoor networks such as manufacturing plants, industrial locations, military bases, universities, college and high school campuses, hotels, airports, golf courses and marinas.

The D-Link AirPremier *DWL-1700AP* is designed for harsh outdoor environments. With die-cast watertight housing and a built-in lightning protector, this is a robust outdoor AP. It includes cost-effective Power-over-Ethernet (PoE) for supplying power to the AP when a power outlet is not easily available and it includes the necessary hardware for mounting on a roof top or other exterior locations.

The *DWL-1700AP* is also versatile enough to be configured to perform as a wireless router.

The *DWL-1700AP* provides up to 128-bit WEP encryption and supports the IEEE 802.1x port-based network access control with RADIUS servers for user authentication. It has MAC address-based access control and many other features for stronger security. With a built-in firewall, the *DWL-1700AP* can also work as a NAT inbound virtual server and provides IP-based access control. Denial of Service (DoS) protection is also included to prevent the wireless network from being hacked.

The *DWL-1700AP* can be managed with its web-based user interface, Telnet, and RS-232 console configuration. SNMP (MIB I & MIB II) support makes *DWL-1700AP* a solid solution for enterprise wireless network managers.

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Access Point



DWL-1700AP

SPECIFICATIONS

Standards:

IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

Frequency Range:

2.4-2.497MHz ISM band

Regulation Certifications

- FCC Part15
- ETSI 300/328

Data Rate & Modulation:

- 11Mbps (CCK)
- 5.5Mbps (CCK)
- 2Mbps (DQPSK)
- 1Mbps (DBPSK)

Transmit Power (including 5dBi antenna)

24dBm (250mW)

Receiver Sensitivity:

- < -84dBm @11Mbps
- < -90dBm @2Mbps

RF Connector:

Proprietary N-type (Reverse Polarity)

Interface:

- 1 ports 10Base-T/100Base-TX Ethernet for WAN/LAN
- UART for console

Protocol Supported:

- TCP/IP
- NAT/NAPT
- Virtual Server (NAT inbound server)
- DHCP client/server
- PPPoE
- Static Routing
- Ethernet Bridging

Security:

- 64/128-bit WEP (RC4)
- IEEE 802.1x port-based authentication
- MAC address based access control
- 802.11b SSID hidden
- Denial Wireless 802.11b "ANY" station
- PPPoE authentication PAP/CHAP

Device Management:

- Web-based manager
- Console (RS-232) configuration
- SNMP MIB I & MIB II

Firmware Upgrade:

- TFTP (Transparent FTP)
- Xmodem & 1K Xmodem

Lightning Protector Surge Current:

20KA

Power Supply (PoE):

- Input: 100~240V AC 50~60Hz
- Output: -48V DC 0.7A

Operating Range:

- Up to 1968ft (600 meters)

Operating Temperature:

- -20~70°C (-4~158°F) in operating
- -40~80°C (-40~176°F) in storage

Humidity (non-condensing)

- 5% to 95% typical
- All-weather enclosure

Dimensions

- L = 9.57in (243mm)
- W = 7.87in (200mm)
- H = 3.03in (77mm)

Weight

4.41lbs

Package Contents:

- DWL-1700AP Unit
- Ethernet Inline Power Injector
- Two Omni Antenna
- 30m MIL-C-5015 style Ethernet Cable
- 2m Uplink RJ-45 Ethernet Cable
- 2m MIL-C-5015 style RS232 Configuration Cable
- User's Manual CD
- Mast Mounting Bracket with U-bolts
- Wall Mounting Bracket with screws

Warranty

1 Year

Application

D-Link AirPremier™ Outdoor Products

Common Indoor 802.11b

1X

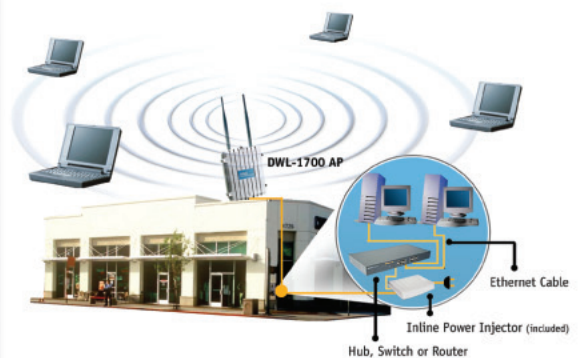
Up to 5X

Outdoor Power

With an output power of 200mW and high gain antennas, the D-Link *AirPremier* Outdoor WLAN Products can transfer data with 4-5 times more power than the common 802.11b Access Points.

Advanced Firewall Features

Built-in NAT firewall	✓
IP based Access Control	✓
Denial of Service (DoS) Protection	✓
MAC Filtering	✓
Scheduling	✓



D-Link Systems, Inc. 53 Discovery Drive Irvine CA 92618 www.dlink.com

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