



## 802.11b Outdoor Access Point

### For Broadband Wireless Access

The AirPremier DWL-1700AP is a 2.4GHz IEEE 802.11b compatible wireless Access Point. This device covers a large operating distance to provide 11Mbps wireless LAN and broadband Internet access. The 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.

#### **Ideal for Creating Internet Hotspots**

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.

#### **Built-in Power Over Ethernet**

The DWL-1700AP 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.

#### **Extensive Security**

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.

#### **Wireless Router With Built-in Firewall**

The DWL-1700AP is also versatile enough to be configured to perform as a wireless router. With a built-in firewall, the DWL-1700AP can also work as a NAT inbound virtual server and provides Ipbased access control. Denial of Service (DoS) protection is also included to prevent the wireless network from being hacked.

#### **Versatile Management Capability**

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.

#### **Features**

- 802.11b DSSS 2.4GHz standard
- Up to 11Mbps data transfer rate
- Ideal for Internet hotspot creation
- Built-in Power Over Ethernet
- Data security with standard-based WEP encryption
- Enhanced security 802.1x port-based network access control with RADIUS servers for user authentication
- Built-in firewall protection
- Rugged all-weather outdoor housing
- Web-based, Telnet configuration/SNMP management

# DWL-1700AP

## Technical Specifications

## 2.4 Ghz Wireless LAN

### Standards

IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

### Interfaces

- 10BASE-T/100BASE-TX Fast Ethernet port for WAN to LAN connection
- UART console port

### Data Rate & Modulation

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

### Frequency Range

2.4-2.497MHz ISM band

### Receiver Sensitivity

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

### Transmit Power (including 5dBi antenna)

- 24dBm (250mW) (FCC)
- 20dBm (100mW) (ETSI)

### RF Connector

Proprietary N-type (female) (reverse polarity)

### Operating Range

- Up to 600 m (1968 feet) (FCC)
- Up to 480 m (1574feet) (ETSI)

### 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

### Physical & Environmental

Lightning Protector Surge Current  
20KA

### Power Supply (PoE)

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

### Operating Temperature

-20 ~ 70 C (-4 ~ 158 F)

### Storage Temperature

-40 ~ 80 C (-40 ~ 176 F)

### Humidity (non-condensing)

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

### Dimensions

243 (L) x 200 (W) x 77 (H) mm  
(9.57 x 7.87 x 3.03 inches)

### Emission

- FCC Part15
- ETSI 300/328

### Package Contents

- DWL-1700AP Unit
- Ethernet Inline Power Injector
- 2 Omni antennas
- 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



ACN 052 202 838



### Ordering Information

**DWL-1700AP** 802.11b Outdoor Access Point

*Please specify your order as follows:*

<b>DWL-1700AP/ANA</b>	US standard power adapter, North America frequency
<b>DWL-1700AP/BEU</b>	UK standard power adapter, EU frequency
<b>DWL-1700AP/EEU</b>	EU standard power adapter, EU frequency
<b>DWL-1700AP/NEU</b>	Australia standard power adapter, EU frequency
<b>DWL-1700AP/ENA</b>	EU standard power adapter, North America frequency
<b>DWL-1700AP/CN</b>	China standard power adapter, China frequency

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