D-Link®

Air **WiFi CERTIFIED**

—— DWL-700AP

802.11b Wireless LAN Access Point

The D-Link Air DWL-700AP Access Point is designed to give 2.4GHz wireless LAN users low-cost yet secure access to an IEEE 802.11b wireless Local Area Network (LAN). This Access Point combines industry standards with versatile functions like repeater mode, and enhanced IEEE 802.11i security features like WEP, TKIP, and AES to give you wireless LAN interoperability and functionality at an affordable price.

Wireless Access
The DWL-700AP Access Point connects the wireless LAN nodes (workstations, print servers, etc.) together via a 2.4GHz IEEE 802.11b wireless interface. It listens to all data traffic and maintains a dynamically updated MAC address database. When necessary, IP addresses are matched to MAC addresses and information is stored in the database as well. A 10/100Mbps Fast Ethernet port provides a bridge between a wireless network and wired network. The DWL-700AP converts data packets over a wired Ethernet LAN into radio signals to be used on the wireless network and vice versa.

Built-in Repeater Function
The DWL-700AP can be configured to operate in any one of the following modes: (1) as a wireless access point, (2) a wireless client or (3) a repeater. With these built-in functions, the DWL-700AP gives you the flexibility to configure the device to as an access point at home or the office with normal wireless operation range requirements, or as a repeater that connects 2 wireless networks together when the number of wireless users increases and spreads in a wider area.

Network Security
In the air, transmitted data can be easily intercepted if not well protected by a security scheme. The DWL-700AP provides the necessary security, using the enhanced 64/128-bit industry-standard WEP (Wired Equivalent Privacy) encryption protocol. It also provides IEEE 802.11i security features such as embedded AES/TKIP security engine (hardware supported).

Web-based & SNMP Configuration/Management
The DWL-700AP can be configured and managed by HTTP (web-based configuration) or SNMP (SNMP v.2 support) through built-in MIBs. DHCP client and server are supported.

Key Features

- *802.11b 2.4GHz industry standard with wide range of wireless LAN interoperability*
- *11Mbps data transfer rates*
- *10/100Mbps auto-sensing Fast Ethernet port to bridge wireless LAN to Ethernet-based network*
- *Built-in repeater function*

- *Embedded AES/TKIP security engine*
- *SNMP v2 support*
- *Client access control via MAC address*
- *Configuration by HTTP and SNMP*
- *Management features: SNMP, HTTP, DHCP Server & Client*

DWL-700AP

Technical Specifications

Standards
- IEEE 802.11b wireless LAN
- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet

Wireless LAN to Ethernet Interface
Through RJ-45 10/100Mbps Fast Ethernet port

Frequency Range
2.4GHz to 2.4835GHz

Modulation Techniques
Direct Sequence Spread Spectrum (DSSS)

Data Rates
- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps
- Auto fall-back

Data Rate & Modulation Scheme
- 11Mbps: CCK
- 5.5Mbps: CCK
- 2Mbps: Barker
- 1Mbps: Barker

Operating Channels
- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13

Antenna
Detachable 2dBi Gain antenna with reverse SMA connector

Receive Sensitivity
@<8% (typical)
- 11Mbps: -81dBm
- 5.5Mbps: -84dBm
- 2Mbps: -87dBm
- 1Mbps: -91dBm

Transmit Output Power
18dBm (typical)

Operating Range
- Indoors: up to 100 m (328 feet) *
- Outdoors: up to 300 m (984 feet) *

* Environmental factors may adversely affect operating range

Operating Modes
- Access Point
- Wireless client
- Repeater

Security
Data encryption: 64-bit, 128-bit-bit WEP (Wired Equivalent Privacy)

Device Management
- Web-based through Internet Explorer v6 or later; Netscape Navigator v.6 or later; or other Java-enabled browsers
- DHCP Server and Client

Physical & Environmental
Power Input
- DC 5V, 2.0A
- Uses external AC power adapter

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

Weight
200 grams (0.44 lb.)

Operating Temperature
0° to 55° C (32° to 149° F)

Storing Temperature
-20° to 75° C (4° to 167° F)

Humidity
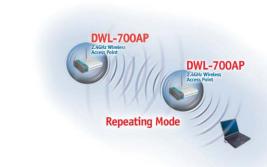Up to 95%, non-condensing

Emission
- FCC Class B
- CE Class B

Box Includes
- DWL-700AP Wireless Access Point
- User's Manual on CD
- Quick Installation Guide
- 1.8 m Cat. 5 Ethernet straight-through cable
- Power Adapter

Ordering Information

DWL-700AP	802.11b Wireless LAN Access Point

Please specify your order as follows:

BDWL-700AP	US standard power adapter, North America frequency (USA packaging)
TDWL-700AP	US standard power adapter, North America frequency (Taiwan packaging)
DWL-700AP/ANA	US standard power adapter, North America frequency
DWL-700AP/ENA	EU standard power adapter, North America frequency
DWL-700AP/BEU	UK standard power adapter, EU frequency
DWL-700AP/EEU	EU standard power adapter, EU frequency
DWL-700AP/NEU	Australia standard power adapter, EU frequency
DWL-700AP/CN	For use in China (China packaging)

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