



— DWL-2700AP

802.11g Outdoor Access Point/Bridge

The D-Link AirPremier DWL-2700AP is a 2.4GHz Outdoor Wireless Access Point that conforms to IEEE 802.11b/g standards. The DWL-2700AP covers a large operating distance for Wireless LANs and broadband Internet access with transfer speeds of up to 54Mbps. The DWL-2700AP is ideal for Internet Service Providers to create hot spot networks and provide outdoor users with wireless Internet access. Ideal locations include manufacturing plants, industrial locations, college and high school campuses, airports, golf courses, marinas and many other outdoor venues.

Powerful & Durable Outdoors Wireless Solution

The D-Link AirPremier DWL-2700AP is designed to handle any outdoor environment. With die-cast watertight housing and built-in heater with a temperature sensor, the DWL-2700AP is the most robust outdoor AP for enterprise networks. It includes cost-effective IEEE 802.3af Power over Ethernet (PoE) for easy installation.

Ideal for Building-to-Building Connection

The DWL-2700AP features WDS (Wireless Distribution System) which can be configured to perform in any one of five modes: wireless Access Point (AP), Point-to-Point (PtP) bridge, Point-to-Multi-Point (PtMP) bridge, repeater, or wireless client. It also includes an embedded DHCP server automatically assigns IP addresses to wireless clients. With a variety of high-gain outdoor antennas from D-Link to accommodate your network needs, the DWL-2700AP is ideal for connecting networks in different buildings.

Security & High Availability

The DWL-2700AP supports up to 152-bit WEP encryption and AES (Advanced Encryption Standard). In addition, IEEE 802.1x port-based network access control for user authentication with WPA (Wi-Fi Protected Access) helps provide optimal security. Load balancing and redundancy are also available.

Management

The DWL-2700AP is easy to manage with its web-based user interface and Telnet configuration. For Enterprise networks, the DWL-2700AP supports SNMP v3 network administration and real-time network traffic monitoring via D-Link D-View Network Management software.

Key Features

- 802.11g 2.4GHz standard
- Up to 54Mbps data transfer rate
- Configurable in 5 operation modes: AP, point-to-point bridge, point-to-multi-point) bridge, repeater, wireless client
- Rugged all-weather outdoor housing with built-in heater
- Built-in Power Over Ethernet (PoE)
- 64/128/152-bit WEP data encryption
- Better wireless security with ACL, 802.1X, WPA, and AES
- Ideal for building-to-building connection & Internet hotspot creation
- Built-in DHCP server
- Web-based & SNMP management

DWL-2700AP

Technical Specifications

2.4GHz Wireless LAN

WLAN Standards

- IEEE 802.11b
- IEEE 802.11g

Ethernet Standard

- IEEE 802.3 Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3x Flow Control

Frequency Range

2.4 to 2.497MHz ISM band

Interface

- Power jack
- Factory reset button
- 10/100BASE-TX Ethernet port

Media Access Protocol

CSMA/CA with ACK

Radio & Modulation Schemes

- 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM
- 802.11b: DQPSK, DBPSK, CCK

Operating Frequency

2400 to 2483.5MHz ISM band

Channel Numbers

- 11 Channels (FCC)
- 13 Channels (ETSI)

Data Rates

- 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps
- 802.11b: 11, 5.5, 2, and 1Mbps

Transmit Output Power

- 802.11g:
 - +18dBm at 54Mbps
 - +20dBm at 48Mbps
 - +20dBm at 36Mbps
 - +23dBm at 24, 18, 12, 9, and 6Mbps
 - +23dBm at 11, 5.5, 2 and 1Mbps
- 802.11b:
 - +23dBm at 11, 5.5, 2 and 1Mbps

Receive Sensitivity

- 802.11g:
(1000-byte PDUs at 10% PER Packet Error Rate)
 - 87dBm at 6Mbps
 - 86dBm at 9Mbps
 - 85dBm at 12Mbps
 - 83dBm at 18Mbps
 - 80dBm at 24Mbps
 - 76dBm at 36Mbps
 - 71dBm at 48Mbps
 - 66dBm at 54Mbps
- 802.11b:
(at 8% PER Packet Error Rate)
 - 83dBm at 11Mbps
 - 89dBm at 2Mbps

Antenna Type

Monopole antenna with 5dBi Gain

Security

- 64/128/152-bit WEP (RC4)
- IEEE 802.1x port-based authentication
- MAC address-based access control
- 802.11b SSID hidden
- WPA (Wi-Fi Protected Access)
- AES (Advanced Encryption Standard)

Device Management

- Web-based management
- Telnet
- SNMP v.3

Diagnostic LEDs

- Power LED
- RSSI level
- 10/100Mbps
- 802.11b/g

Physical & Environmental

Operating Voltage

48VDC +/- 10% for PoE

Power Consumption

- 7 watts (max.) without PoE (without heater)
- 8.5 watts (max.) with PoE (without heater)
- 27 watts (max.) without PoE (with heater)
- 28.5 watts (max.) with PoE (with heater)

Operating Temperature

-40° to 60 °C (-40° to 140° F)

Storage Temperature

-40° to 65 °C (-40° to 149 °F)

Humidity

5% to 95% non-condensing, all-weather enclosure

Dimensions

277.7 (L) x 155 (W) x 45 (H) mm
(10.93 x 6.10 x 1.77 inches)

Regulation Certification

- FCC Part 15
- ETSI 300/328



Ordering Information

DWL-2700AP 802.11g Outdoor Access Point/Bridge

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U.S.A	TEL: 1-714-885-6000	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-022-652-6696	FAX: 91-022-652-8914
Middle East (Dubai)	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Latinamerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-55039320	FAX: 55-11-55039321
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299



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