

For Business-Class Environments

- + Up to 108Mbps Turbo Wireless Speed in 2.4GHz Frequency Band 1
- + 5dBi High-Gain Antenna

Multiple Operation Modes

- + Access Point
- + WDS With AP
- + WDS

Advanced Security

- + 64/128/152-Bit WEP Data Encryption
- + WPA/WPA2 Personal
- + WPA/WPA2 Enterprise
- + WPA-PSK/AES Over WDS
- + MAC Address Filtering

Versatile Management

- + Web-Based Management
- + Telnet
- + MIB for SNMP Management
- + Built-In DHCP Server for Multiple User Access

AirPremier Wireless 108 G Access Point

Overview

The AirPremier DWL-2200AP is an enhanced high-performance 802.11g wireless Access Point with 802.3af Power over Ethernet (PoE) for use indoors. This device supports wireless networking speeds of up to 108Mbps (Turbo mode) ¹, while providing seamless interoperability with 802.11b/g wireless equipment. With high data transfer rates, enhanced security, built-in bridge function and PoE remote power support, this device offers a business-class solution for a secure, high-speed wireless deployment.

Up to 108Mbps Speed ¹

With transmission speeds of up to 108Mbps (Turbo mode) ¹ on the popular 2.4GHz public frequency, the DWL-2200AP is an ideal solution for bandwidth intensive WLAN application. In a typical working environment with multiple users accessing the network at the same time, the DWL-2200AP can operate at 15 times the throughput of the normal 802.11b wireless LAN equipment.

PoE Facilitates Remote Installation

For maximum coverage, the DWL-2200AP can be placed at out-of-the-way locations such as on a ceiling or high wall, where AC outlets are inaccessible and providing power to these locations is difficult and expensive. The DWL-2200AP can easily obtain power from an Ethernet switch located as far as 100 meters away through the unused pairs of your existing network cable, doing away with the need to install separate power wiring. With industry-standard 802.3af PoE support, the DWL-2200AP does not even require a PoE injector.

Advanced Network Security

The DWL-2200AP supports 64/128/152-bit WEP data encryption and WPA/WPA2 security functions. It provides the latest wireless security technologies by supporting both WPA and WPA2 Personal and Enterprise to ensure complete network protection. In addition, the DWL-2200AP comes 802.11i-ready to fully support industrial-grade wireless security. Other security features included in this Access Point are MAC Address Filtering, Disable SSID Broadcast and support for Advanced Encryption Standard (AES) data encryption.

WDS (Wireless Distribution System) Support

To maximize total return on investment, the DWL-2200AP can be configured to operate as an access point (AP mode), a point-to-point bridge or a point-to-multipoint bridge (WDS mode). In the WDS/Bridge mode, the DWL-2200AP communicates only with wireless bridges, without allowing for wireless clients or stations to access them.

Advanced Network Management

For maximum Network administrators can manage all the DWL-2200AP's settings via its web-based configuration utility or with Telnet. For advanced network management, the administrators can use the D-View SNMP management module to configure and manage multiple access points from a single location. In addition to a streamlined management process, network administrators can also verify and conduct regular maintenance checks without wasting resources by sending personnel out to physically verify proper operation.





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Technical Specifications

Standards	+ IEEE 802.11b/g WLAN + IEEE 802.3x Flow Control	+ IEEE 802.3/802.3u Ethernet + IEEE 802.3af Power over Ethernet
Ethernet Interface	10/100BASE-TX Ethernet port	
Radio and Modulation Type	<p>For 802.11b: DSSS: + DBPSK @ 1Mbps + CCK @ 5.5 and 11Mbps</p> <p>For 802.11g: OFDM: + BPSK @ 6 and 9Mbps + 16QAM @ 24 and 36Mbps</p> <p>DSSS: + DBPSK @ 1Mbps + CCK @ 5.5 and 11Mbps</p>	
RF Operating Frequency	2400 to 2483.5MHz	
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 ²	<p>For 802.11b: + 11Mbps, 5.5Mbps, 2Mbps, 1Mbps: 18dBm</p> <p>For 802.11g: + 54Mbps, 108Mbps: 14 to 15dBm + 48Mbps: 14 to 16dBm + 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps: 16 to 18dBm</p>	
EIRP	19dBm	
Receive Sensitivity (802.11b)	<p>For 802.11b (@ 8% packet error rate): + 11 Mbps: -83dBm + 2 Mbps: -89dBm</p> <p>For 802.11g (@ 10% packet error rate): + 54 Mbps: -66dBm + 48 Mbps: -71dBm + 36 Mbps: -76dBm + 24 Mbps: -80dBm + 18 Mbps: -83dBm + 12 Mbps: -85dBm + 9 Mbps: -86dBm + 6 Mbps: -87dBm</p>	
Antenna	5dBi Gain detachable Reverse-SMA Type dipole antenna	
Wireless Operating Range ³	(Full power with 5dBi Gain diversity dipole antenna): +Indoors: Up to 100 m (328 feet) +Outdoors: Up to 400 m (1,312 feet)	
Security	+ 64/128/152-bit WEP data encryption + WPA-PSK, WPA2-PSK + WPA-EAP, WPA2-EAP + TKIP, AES support + MAC address filtering user access + SSID broadcast disable function	



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Configurable Modes	+ Access Point + WDS with AP + WDS
Device Management	+ Web Browser Interface: HTTP Secure HTTP (HTTPS) + Windows-based AP management program + SNMP v3 support: D-View module Private MIB + Command Line Interface: Telnet Secure (SSH) Telnet + Factory reset button
Diagnostic LEDs	+ Power LED + LAN (10/100Mbps) + WLAN
Power Input	48VDC +/- 10% 0.4A for PoE
Power Consumption	+ 7 watts (max.) without PoE + 8.5 watts (max.) with PoE
Dimensions	142 (L) x 109 (W) x 31 (H) mm (5.59 x 4.30 x 1.22 inches)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 65°C (-4°F to 149°F)
Operating Humidity	95% maximum (non-condensing)
Regulation Certification	+ FCC Class B + CE + UL + Wi-Fi + WMM

¹ Maximum wireless signal rate derived from IEEE standard 802.11g. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate. Up to 108Mbps when operating with other wireless 108 G products.
² Maximum power setting will vary according to individual country regulations.
³ Environmental factors may adversely affect operation range.



D-Link Worldwide Offices

U.S.A.	TEL: 1-800-326-1688	FAX: 1-866-743-4905	Spain	TEL: 34-93-4090770	FAX: 34-93-4910795	Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Portugal	TEL: 351-21-8688493		Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Europe (U. K.)	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511	Czech Republic	TEL: 420-(603)-276-589		Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300	Switzerland	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01	LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
France	TEL: 33-1-30238688	FAX: 33-1-30238689	Greece	TEL: 30-210-9914 512	FAX: 30-210-9916902	Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	Luxemburg	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500	Poland	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76	Russia	TEL: 7-495-744-0099	FAX: 7-495-744-0099 #350
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	Hungary	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09	Japan	TEL: 81-3-5781-0963	FAX: 81-3-5781-0965
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901	Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322	China	TEL: 86-10-58635800	FAX: 86-10-58635799
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-8168
Norway	TEL: 47-99-300-100	FAX: 47-22-309580	India	TEL: 91-022-26526696	FAX: 91-022-26528914	Headquarters	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898
Finland	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081	Middle East (Dubai)	TEL: 971-4-3916480	FAX: 971-4-3908881			