



Multiple Operation Modes

- + Access Point
- + Wireless Distribution System (WDS)
- + WDS with AP

High Performance

- + Powered by D-Link 108G Technology
- + 5dBi High Gain Antenna

Trusted Security Features

- + 802.11i (WPA2)
- + WPA-Personal
- + WPA-Enterprise
- + MAC Address Filtering
- + WEP Encryption
- + SSID Broadcast Disable

Convenient Installation

- + 802.3af Power over Ethernet

Easy Management

- + AP Manager
- + Web Browser (HTTP)
- + Telnet
- + SNMP v.3
- + AP Domain

108Mbps¹ Access Point With PoE

Overview

D-Link, an industry pioneer in wireless networking, introduces a solution for small-sized businesses seeking to deploy and implement powerful and reliable wireless LANs. D-Link unveils its new AirPremier 802.11g Access Point with PoE (DWL-2200AP), designed specifically for business-class environments to provide secure and manageable wireless LAN options for network administrators.

Centralized Management

With improved signal rates of up to 108Mbps¹, the AirPremier Access Point allows network administrators to deploy a highly manageable and extremely robust wireless network. This high-speed Access Point has integrated 802.3af Power over Ethernet (PoE) support to allow installation in areas where power outlets are not readily available.

Security

The AirPremier Wireless Access Point provides maximum wireless security by supporting both Personal and Enterprise variants of both WPA-2 (Wi-Fi Protected Access 2) and WPA for optimal data protection. Other security features included in this Access Point are MAC Address Access Control Lists (ACL), Wireless LAN segmentation, SSID Broadcast Disable, and support for Advanced Encryption Standard (AES).

For additional network security, if the AirPremier Wireless Access Point is connected to a switch that supports VLAN tagging (802.1q), the VLAN enabled DWL-2200AP can appropriately provide internal and guest network access options. Based on VLAN tagging infrastructure, the AirPremier Wireless Access Point features Multiple SSID support to further help segment users on the network. The DWL-2200AP also includes a wireless client isolation mechanism, which limits direct client-to-client communication.

To maximize total return on investment, the AirPremier 802.11g Access Point with PoE can be configured in any of

three modes: Access Point, Wireless Distribution System (WDS), and WDS with AP Mode. WDS with AP mode allows you to simultaneously utilize the DWL-2200AP as an Access Point to connect client devices (notebooks, computers, printers), and serve as the wireless network backbone. The DWL-2200AP also includes advanced features such as load balancing, which optimizes high network traffic volume and redundancy for fail-safe wireless connectivity.

Performance

The DWL-2200AP delivers robust wireless performance with wireless data transfer rates of up to 108Mbps¹. This, coupled with the 5dBi high gain antenna, creates a superior far-reaching wireless network. This Wireless Access Point is fully compatible with the IEEE 802.11b and 802.11g standards.

Network administrators can manage all the settings via the Web-based configuration utility or with Telnet. For advanced network management, administrators can use D-Link's AP Manager or D-View SNMP management module to configure multiple access points from a single location.

Includes

The AirPremier Wireless Access Point also includes AP Domain support for propagation of device settings. Once an AP domain name has been established, you can easily copy device settings from one DWL-2200AP to another unit connected to the same LAN. System administrators can create up to 10 distinct AP Domains and have up to 9 DWL-2200AP units per domain.

With integrated PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the D-Link AirPremier Wireless Access Point (DWL-2200AP) provides everything needed to easily set up or extend a wireless network in your workplace.



108Mbps¹ Access Point With PoE

Technical Specifications

| | | | |
|---------------------------------------|---|---------------------------------|-------------------------------|
| Standards | + IEEE 802.11b + IEEE 802.3af | + IEEE 802.11g + IEEE 802.3u | + IEEE 802.3 + IEEE 802.3x |
| Network Management | + Web Browser interface - HTTP + AP Manager + SNMP Support - D-View Module - Private MIB + Command Line Interface - Telnet | | |
| Wireless Signal Rate ¹ | For 802.11g: + 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps For 802.11b: + 11, 5.5, 2, and 1Mbps | | |
| Security | + WPA-Personal + WPA2-Personal + 64/128/152-bit WEP + MAC Address Access Control List + WPA-Enterprise + WPA2-Enterprise + SSID Broadcast Disable | | |
| Wireless Frequency Range | + 2.4GHz to 2.4835GHz | | |
| Wireless Operating Range ¹ | 802.11g (Full Power with 5dBi gain diversity dipole antenna) Indoors: + 98ft (30m) @ 54Mbps + 108ft (33m) @ 48Mbps + 121ft (37m) @ 36Mbps + 151ft (46m) @ 24Mbps + 203ft (62m) @ 18Mbps + 223ft (68m) @ 12Mbps + 256ft (78m) @ 9Mbps + 302ft (92m) @ 6Mbps Outdoors: + 328ft (100m) @ 54Mbps + 968ft (295m) @ 11Mbps + 1378ft (420m) @ 6Mbps | | |
| Antenna Type | + Dipole antenna with 5dBi gain Operating Voltage + 48VDC +/- 10% for PoE | | |
| Radio and Modulation Type | For 802.11b: DSSS: + DBPSK @ 1Mbps + DQPSK @ 2Mbps + CCK @ 5.5 and 11Mbps For 802.11g: OFDM: + BPSK @ 6 and 9Mbps + QPSK @ 12 and 18Mbps + 16QAM @ 24 and 36Mbps + 64QAM @ 48 and 54Mbps DSSS: + DBPSK @ 1Mbps • DQPSK @ 2Mbps + CCK @ 5.5 and 11Mbps | | |
| Transmit Output Power | For 802.11b: + 63mW (18dBm) + 40mW (16dBm) + 32mW (15dBm) + 23mW (13dBm) + 10mW (10dBm) + 6mW (7dBm) + 1mW (0dBm) For 802.11g: + 63mW (18dBm) + 40mW (16dBm) + 32mW (15dBm) + 6mW (7dBm) + 1mW (0dBm) | | |



108Mbps¹ Access Point With PoE

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|------------------------|--|
| Receiver Sensitivity | For 802.11b: +1Mbps: -94dBm +2Mbps: -90dBm +5.5Mbps: -88dBm +11Mbps: -85dBm For 802.11g: +1Mbps: -94dBm +2Mbps: -91dBm +5.5Mbps: -89dBm +6Mbps: -91dBm +9Mbps: -90dBm +11Mbps: -86dBm +12Mbps: -89dBm +18Mbps: -87dBm +24Mbps: -84dBm +36Mbps: -80dBm +48Mbps: -76dBm +54Mbps: -73dBm |
| Power Consumption | + Max. with PoE: 8.5w + Max. without PoE: 7w |
| LEDs | + Power + 10M/100M + WLAN |
| Temperature | + Operating: 32°F to 104°F (0°C to 40°C) + Storing: -4°F to 149°F (-20°C to 65°C) |
| Humidity | + Operating: 10%~90% (non-condensing) + Storing: 5%~95% (non-condensing) |
| Certifications | + FCC Part 15 + UL + CSA |
| Dimensions (W x D x H) | 4.29 x 5.59 x 1.22 inches (109mm x 142mm x 31mm) |
| Weight | 0.44 lbs (200g) |
| Warranty | 1 Year ² |

¹ Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

² 1-Year Warranty available only in the U.S.A. and Canada.

All references to speed and range are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.