DWL-7200AP

AirPremier AG

Wireless AG Access Point with PoE

D-Link, the industry pioneer in wireless networking, introduces a performance breakthrough in wireless connectivity – the D-Link *Air*Premier® AG DWL-7200AP Wireless Access Point, a business-class access point designed for small to medium businesses looking to deploy dualband multimode networks capable of delivering high performance speeds in both the 802.11a and 802.11g bands – at the same time.

The DWL-7200AP is an ideal solution for creating a secure and robust dualband wireless network. With its capability to concurrently perform and support users in both 2.4GHz and 5GHz frequency without splitting up the bandwidth per band, the DWL-7200AP provides administrators with greater flexibility in network deployments. For advanced installations, this new high-speed Access Point has an integrated 802.3af Power over Ethernet (PoE) port that allows you to install the device in areas where power outlets are not readily available. The current default 5dBi high-gain antennas can also be replaced if a stronger wireless signal is needed.

The DWL-7200AP provides maximum wireless security by supporting both WPA-Personal and WPA-Enterprise which includes 802.1x user authentication. Other security features included in this Access Point are MAC Address Filtering, Wireless LAN segmentation, Disable SSID Broadcast, and support for Advanced Encryption Standard (AES) Encryption.

To maximize your return on investment, the DWL-7200AP can be configured in any one of five modes: Access Point (AP), Point-to-Point (PtP), Point-to-Multipoint (PtMP) bridge, Repeater, or AP Client. With the ability to simultaneously operate in two bands, network administrators can assign one mode in 802.11a and another in 802.11g to increase productivity and maintain high network efficiency.

Powered by D-Link 108AG technology, the DWL-7200AP delivers unparalleled wireless performance boasting maximum wireless signal rates of up to 108Mbps[1] when set in Turbo mode for both 802.11a and 802.11g networks. Meanwhile, wireless devices operating on the 802.11g band remain backward compatible to standard 802.11b devices. With the ability to deliver high-throughput transfer rates in two bands at the same time, the DWL-7200AP provides reliable bandwidth performance while providing a solution to avoid network bottlenecks.

Network administrators can manage all the DWL-7200AP's settings via its Web-based configuration utility or with Telnet. For advanced network management, D-Link's AP Manager or D-View SNMP management software offers an all-in-one method to configure multiple access points from a single location.

With dualband capabilities, integrated PoE support, extensive manageability, versatile operation modes and solid security enhancements, the new D-Link *Air*Premier AG Wireless Access Point with PoE provides everything needed to set up a future-proof wireless network or simply extend the wireless range of an existing network of today's small to medium businesses.

FEATURES

Robust Network Options
- Adds 802.11a and 802.11g Dualband Connectivity to Existing Network
- Concurrently Provides Maximum Bandwidth of up to 108Mbps[1] in Both 802.11a and 802.11g
- 802.11g is Backward Compatible with 802.11b Networks and Devices
- Assign Users to 2.4GHz or 5GHz Frequency Bands

Multiple Operation Modes
- Access Point
- Point-to-Point (PtP) Bridge
- Point-to-Multipoint (PtMP) Bridge
- Repeater
- AP Client

Enhanced Security Features
- 802.1x
- WPA
- AES
- MAC Address Filtering
- Disable Broadcast SSID

Convenient Installation
- Supports 802.3af Power over Ethernet
- Detachable Antennas

Intuitive Management Platforms
- AP Manager
- Web Browser (HTTP or HTTPS
- Telnet
- D-View SNMP v.3

Product Data Sheet

Specifications

Standards
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.3
- IEEE 802.3af
- IEEE 802.3u
- IEEE 802.3x

Device Management
- Web-Based – Internet Explorer v6 or later; Netscape Navigator v7 or later; or other Java-enabled browsers.
- Telnet
- AP Manager
- SNMP v.3

Signal Rate[1]
For 802.11a/g:
- 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps
For 802.11b:
- 11, 5.5, 2, and1Mbps

Security
- 64-, 128-, 152-bit WEP
- WPA – Wi-Fi Protected Access (WPA – TKIP/AES PSK)
- 802.1x (EAP-MD5/TLS/TTLS/PEAP)
- MAC Address Access Control List

Wireless Frequency Range
- 2.4GHz to 2.4835GHz
- 5.15GHz to 5.35GHz and 5.725GHz to 5.825GHz

Radio and Modulation Type
For 802.11b:
DSSS:
- DBPSK @ 1Mbps
- DQPSK @ 2Mbps
- CCK @ 5.5 and 11Mbps
For 802.11a/g:
OFDM:
- BPSK @ 6 and 9Mbps
- QPSK @ 12 and 18Mbps
- 16QAM @ 24 and 36Mbps
- 64QAM @ 48, 54 and 108Mbps
DSSS:
- DBPSK @ 1Mbps
- DQPSK @ 2Mbps
- CCK @ 5.5 and 11Mbps

Wireless Operating Range[2]
802.11g (Full Power with 5dBi gain diversity dipole antenna)
Indoors:
- 98ft (30m) @ 54Mbps
- 105ft (32m) @ 48Mbps
- 121ft (37m) @ 36Mbps
- 148ft (45m) @ 24Mbps
- 203ft (62m) @ 18Mbps
- 223ft (68m) @ 12Mbps
- 253ft (77m) @ 9Mbps
- 302ft (92m) @ 6Mbps
Outdoors:
- 328ft (100m) @ 54Mbps
- 968ft (295m) @ 11Mbps
- 1378ft (420m) @ 6Mbps

Antenna Type
- Detachable Dipole antenna with 5dBi gain

Operating Voltage
- 48VDC +/- 10% for PoE

Transmit Output Power
For 802.11a:
- 63mW (18dBm)
- 40mW (16dBm)
- 32mW (15dBm)
- 6mW (7dBm)
- 1mW (0dBm)
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)

Receiver Sensitivity
For 802.11a:
- 6Mbps: -87dBm
- 9Mbps: -86dBm
- 11Mbps: -88dBm
- 12Mbps: -85dBm
- 18Mbps: -83dBm
- 24Mbps: -80dBm
- 36Mbps: -76dBm
- 48Mbps: -71dBm
- 54Mbps: -71dBm
For 802.11b:
- 1Mbps: -92dBm
- 2Mbps: -89dBm
- 5.5Mbps: -88dBm
- 11Mbps: -83dBm
For 802.11g:
- 1Mbps: -95dBm
- 2Mbps: -91dBm
- 5.5Mbps: -89dBm
- 6Mbps: -87dBm
- 9Mbps: -85dBm
- 11Mbps: -88dBm
- 12Mbps: -80dBm
- 18Mbps: -80dBm
- 24Mbps: -77dBm
- 36Mbps: -73dBm
- 48Mbps: -72dBm
- 54Mbps: -72dBm

LEDs
- Power
- 10M
- 100M
- 802.11a
- 802.11b/g

Temperature
- Operating: 32ºF to 104ºF (0ºC to 40ºC)
- Storing: -4ºF to 149ºF (-20ºC to 65ºC)

Humidity
- Operating: 10%~90% (non-condensing)
- Storing: 5%~95% (non-condensing)

Certifications
- FCC
- UL

Dimensions
- L = 6.89 inches (175mm)
- W = 4.13 inches (105mm)
- H = 0.79 inches (20mm)

Weight
- 0.44 lbs (200g)

Warranty
- 1 Year

[1] Maximum wireless signal rate derived from IEEE Standard 802.11a, 802.11b and 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.
[2] Environmental conditions may adversely affect wireless signal range.

D-Link®
Building Networks for People