

802.11a/g Indoor Dualband Access Point

For Business-Class Environments

- Secure/Manageable Dualband Operation
- 108Mbps Turbo Mode High-Speed Wireless Connectivity
- Operable as Access Point or Wireless Bridge
- Advanced Security Schemes
- Solid Plenum Metal Chassis With 802.3af Power over Ethernet Support

FEATURES

For Business-Class Environments

- Concurrent operation in both 2.4GHz & 5GHz frequency bands
- Dual 5dBi High-Gain Dualband Antennas
- Up to 108Mbps Turbo mode *
- Dual Ethernet ports With 802.3x Flow Control

Multiple Operation Modes

- Access Point
- WDS with AP
- WDS/Bridge (no AP broadcasting)

Trusted Security Features

- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- WPA-PSK/AES over WDS
- 64/128/152-Bit WEP Data Encryption
- MAC address filtering
- Dual port Ethernet connection with 802.1Q VLAN support
- Rogue AP detection
- Multiple SSID Network Segmentation
- 802.11i ready

Convenient Installation

- 802.3af Power over Ethernet
- Solid metal housing
- Locking brackets included

Versatile Management

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

* Maximum wireless signal rate based on IEEE Standard 802.11a and 802.11g specifications. Actual data throughput may vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead can lower actual data throughput rate. 108Mbps Turbo mode operation in 5GHz frequency band is not allowed in EU Countries

The DWL-8200AP is a business-class 802.11a/g dualband access point that provides secure and manageable dualband wireless LAN options. With wireless speeds of up to 108Mbps and dual high-gain dualband antennas, this access point provides optimal wireless coverage in both the 5GHz 802.11a and the 2.4GHz 11g frequency bands. Enclosed in a plenum metal chassis, the DWL-8200AP adheres to strict fire codes and ensures complete safety. For advanced installations, this access point has an integrated 802.3af Power over Ethernet (PoE) support, allowing installation of this device in areas where power outlets are not readily available.

Dualband Operation. The DWL-8200AP delivers concurrent wireless performance with maximum wireless signal rates of up to 54Mbps (108Mbps Turbo mode) in both frequency bands simultaneously. With dualband connectivity, 2 networks are created both running at full bandwidth speeds, offering a significant increase in total network capacity. At the same time, the DWL-8200AP remains fully backward compatible with the IEEE 802.11b standard in the 2.4GHz frequency.

Advanced Security. The DWL-8200AP provides the latest wireless security technologies by supporting both Personal and Enterprise versions of WPA and WPA2 (also known as 802.11i) with RADIUS support to ensure complete network protection. 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) data encryption.

Multiple SSID. For additional network access security, if the DWL-8200AP is connected to a switch that supports VLAN tagging (802.1q), the VLAN enabled DWL-8200AP can appropriately provide network access options. Based on VLAN tagging infrastructure, the DWL-8200AP also features multiple SSID support to further help segment users on the network. The DWL-8200AP includes a wireless client isolation mechanism, which limits direct client-to-client communication.

Multiple Operation Modes. The DWL-8200AP can be configured to operate as an access point, Wireless Distribution System (WDS) with access point, or WDS wireless backbone. With WDS support, network administrators can set up multiple DWL-8200APs throughout the facility and configure them to bridge with one another on one band and provide network access on the other.

Network Management. The DWL-8200AP can be configured via a web-based utility or Telnet. D-Link's AP Manager or D-View SNMP management module can be used to manage multiple access points from a single location. In addition to a streamlined management process, the AP Manager or D-View software provide network administrators with the means of verifying and conducting regular maintenance checks without wasting resources by sending personnel out to physically verify proper operation.



AirPremier™



DWL-8200AP

Product Specifications

Standards

- IEEE 802.11a, 802.11b, 802.11g wireless LAN
- IEEE 802.3, 802.3u Ethernet
- IEEE 802.3x flow control
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.11h
- IEEE 802.11d

Data Transfer Rates

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

Wireless Frequency Range**

- 2.4GHz to 2.4835GHz
- 5.15GHz to 5.35GHz and 5.47GHz to 5.85GHz

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
- For 802.11a/g (DSSS):**
 - DBPSK @ 1Mbps
 - DQPSK @ 2Mbps
 - CCK @ 5.5 and 11Mbps

Typical Transmit Output Power * FCC

- For 802.11a: 18dBm
- For 802.11b: 21dBm
- For 802.11g: 21dBm

ETSI

- For 802.11a: 14dBm
- For 802.11b: 17dBm
- For 802.11g: 17dBm

Antenna Gain

- For 5GHz: 5.5dbi
- For 2.4GHz: 2.5dbi

Antennas

Dual 5dBi Gain detachable diversity dipole antennas with reverse SMA connectors

Ethernet Interfaces

- LAN 1: 10/100BASE-TX port with 802.3af PoE
- LAN 2: 10/100BASE-TX port
- Two LAN ports can be simultaneously connected (with separate SSID)

Operation Modes

- Access Point
- WDS with AP
- WDS/Bridge (no AP broadcasting)

Security

- 64-, 128-, 152-bit WEP data encryption
- MAC address filtering

- WPA/WPA2 EAP
- WPA/WPA2 PSK
- WPA PSK/AES over WDS
- AES
- 802.11i-ready
- 802.1Q SSID broadcast enable/disable
- Multiple SSIDs network segmentation
- 802.1Q security for each SSID (up to 208 VLAN groups/VLAN Tagging)
- Rogue AP detection

Device Management

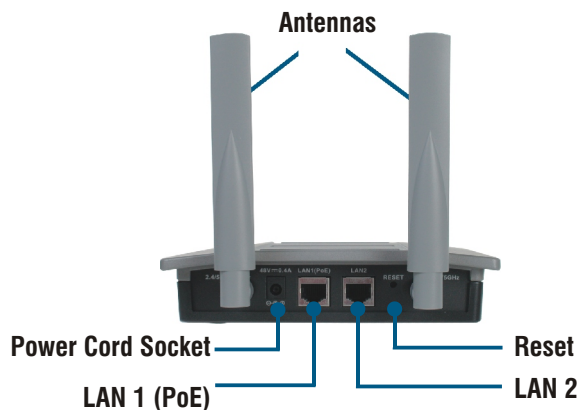
- Web browser interface:
 - HTTP
 - Secure HTTP (HTTPS)
- AP Manager
- SNMP support:
 - D-View module
 - Private MIB
- Command Line Interface:
 - Telnet
 - Secure (SSH) Telnet

Diagnostic LEDs

- Power
- Status
- LAN 1
- LAN 2
- 802.11b/g
- 802.11a

QoS

WMM (Wi-Fi multimedia certified)



* Maximum wireless signal rate based on IEEE standard 802.11a and 802.11g specifications. Actual data throughput may vary.

Network conditions and environmental factors can lower actual data throughput rate.

** Wireless frequency range varies according to individual country regulations.

Physical & Environmental

Operating Voltage

48VDC +/- 10% for PoE

Power Supply

Through 48DCV, 0.4A external power adapter

Power Consumption

6.72 watts (140mA) (max.)

Dimensions

187.57mm (L) x 165.81mm (W) x 37.06mm (H)

Weight

603.28 grams (1.33 lbs)

Operating Temperature

0° to 40°C (32° to 104°F)

Storage Temperature

-20° to 65°C (-4° to 149°F)

Operating Humidity

10% to 90% (non-condensing)

Storage Humidity

5% to 95% (non-condensing)

Certification

- FCC Class B
- CE
- C-Tick
- UL
- Wi-Fi



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