AirPremier 802.11a/g Managed Dualband Access Point

For Business-Class Environments

+ Dualband Connectivity for Increased Network Capacity
+ Rugged Metal Chassis
+ Ideal for Indoor Deployments
+ Plenum-rated Housing
+ Two 5dBi High-gain Dualband Antennas

Multiple Operation Modes

+ Access Point
+ WDS with AP
+ WDS/Bridge (No AP Broadcasting)

High Performance Connectivity

+ IEEE 802.11a/g Wireless
+ Up to 54Mbps[1]
+ Supports D-Link 108G Technology for Greater Speeds

Trusted Security Features

+ WPA2™-Enterprise/Personal
+ WPA™-Enterprise/Personal
+ WPA2™-PSK/AES over WDS
+ 64/128/152-bit WEP Encryption
+ MAC Address Filtering

Convenient Installation

+ Supports 802.3af Power over Ethernet (PoE) Standard
+ Locking Brackets Included

Easy Management

+ Web Browser (HTTP) & HTTPS
+ Telnet
+ SNMPv3
+ AP Manager II

Overview

D-Link, an industry pioneer in wireless networking, introduces a solution for businesses seeking to deploy powerful and reliable Wireless LANs. D-Link unveils its new AirPremier 802.11a/g Managed Dualband Access Point (DWL-8200AP), designed specifically for business-class environments such as large or enterprise corporations, to provide secure and manageable dualband wireless LAN options for network administrators.

Versatile Access Point

The AirPremier 802.11a/g Wireless Managed Dualband Access Point allows network administrators to deploy a highly manageable and extremely robust dualband wireless network. Both dualband antennas are detachable and can provide optimal wireless coverage in 802.11a, 802.11g, and 802.11b bands. Enclosed in a plenum-rated metal chassis, the AirPremier 802.11a/g Wireless Managed Dualband Access Point adheres to strict fire codes for placement in air passageways. For advanced installations, this new high-speed 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.

Enhanced Performance

The AirPremier 802.11a/g Wireless Managed Dualband Access Point delivers reliable wireless performance with maximum wireless signal rates of up to 54Mbps[1] in both bands simultaneously. With dualband connectivity, two networks are created running at full bandwidth speeds, offering a significant increase in total network capacity. Network Administrators also have the option to increase the wireless signal rate up to 108Mbps[1] using D-Link 108G technology, while remaining backwards compatible with the IEEE 802.11a, 802.11g, and 802.11b standards. This, coupled with support for Wi-Fi Multimedia™ (WMM) and Quality of Service (QoS) features, makes the ideal access point for audio, video, and voice applications.

Security

To help maintain a secure wireless network, the DWL-8200AP provides the latest in wireless security technologies by supporting both Personal and Enterprise versions of WPA and WPA2 (802.11i) with RADIUS. To further protect your wireless network, MAC Address Filtering, Wireless LAN segmentation, Disable SSID Broadcast, and Rogue AP Detection are also included.

The DWL-8200AP includes support for up to 16 VLANs for implementing multiple SSIDs to further help segment users on the network. It also includes a wireless client isolation mechanism, which limits direct client-to-client communication.

Multiple Operation Modes

To maximize total return on investment, the DWL-8200AP can be configured to optimize network performance based on any one of its multiple operation modes: Access Point, Wireless Distribution System (WDS) with Access Point, and WDS/Bridge (No AP Broadcasting). 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. Also included are advanced features such as load balancing, which optimizes high network traffic volume, and redundancy for fail-safe wireless connectivity. Additionally, the DWL-8200AP offers Spanning Tree Protocol support for greater efficiency and to avoid broadcast storms when used in WDS mode.

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Network Management

Network administrators have multiple options for managing the DWL-8200AP including Web (HTTP), Secure Sockets Later (SSL, which provides for a secure connection to the Internet), Secure Shell (SSH, which provides for a secure channel between local and remote computers), and Telnet (a bi-directional, eight-bit byte oriented communications facility). For advanced network management, administrators can use D-Link's AP Manager II or D-View SNMPv3 management module to configure and manage multiple access points from a single location. In addition to a streamlined management process, the AP Manager II 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.

With integrated dualband functionality, PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the new D-Link AirPremier 802.11a/g Managed Dualband Access Point (DWL-8200AP) provides enterprise environments with a business-class solution for deploying a wireless network in the workplace.

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Technical Specifications

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

Network Management	+ Web Browser Interface
	   - HTTP
	   - Secure HTTP (HTTPS)
	+ AP Manager II
	+ SNMP Support
	   - D-View Module
	   - Private MIB
	+ Command Line Interface
	   - Telnet
	   - Secure (SSH) Telnet

Data Rate[1]	For 802.11a/g: + 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps For 802.11b: + 11, 5.5, 2, and 1Mbps
Security	+ WPA-Personal + WPA-Enterprise + WPA2-Personal + WPA2-Enterprise + 64/128/152-bit WEP + SSID Broadcast Disable + MAC Address Access Control List
Wireless Frequency Range	+ 2.4GHz to 2.4835GHz + 5.15GHz to 5.25GHz and 5.725GHz to 5.825GHz
Wireless Operating Range[1]	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
Operating Voltage	+ 48VDC +/- 10% for PoE

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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
Transmit Output Power	For 802.11a: +63mW (18dBm) + 40mW (16dBm) + 32mW (15dBm) +6mW (7dBm) + 1mW (0dBm) For 802.11b: +100mW (20dBm) + 63mW (18dBm) + 40mW (16dBm) +32mW (15dBm) + 23mW (13dBm) + 10mW (10dBm) +6mW (7dBm) + 1mW (0dBm) For 802.11g: +100mW (20dBm) + 63mW (18dBm) + 40mW (16dBm) +32mW (15dBm) + 6mW (7dBm) + 1mW (0dBm)
Receiver Sensitivity[1]	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 + Status +LAN 1 + LAN 2 +802.11b/g + 802.11a
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 + Wi-Fi
Dimensions (W x D x H)	6.48" x 7.27" x 1.25" (164.59mm x 184.66mm x 31.75mm)
Weight (lbs)	1.33lbs (603.28g)
Warranty	1-Year Limited[2]

[1] Maximum wireless signal rate derived from IEEE Standard 802.11a/b/g 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 limited warranty available only in the U.S.A and Canada

All references to speed 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. Visit www.dlink.com for more details.

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