

802.11g Indoor Wireless Access Point

For Business-Class Environments

- For Setup of Secure/Manageable Wireless LAN
- 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

- Sturdy Metal Chassis
- Ideal for Indoor Deployments
- Plenum-Rated Housing
- Two 5dBi High-Gain Antennas

Multiple Operation Modes

- Access Point
- Point-to-Point (PtP) Bridge
- Point-to-Multipoint (PtMP) Bridge

High Performance Connectivity

- 802.11g Wireless Speeds
- Up to 54Mbps Wireless Data Transfer Rates*
- D-Link 108G Technology 108Mbps Wireless Speed

Trusted Security Features

- 64/128/152-bit WEP Data Encryption
- WPA Personal
- WPA Enterprise
- 802.1x User Authentication
- AES
- 802.1Q Multiple SSIDs/Network Segmentation
- MAC Address Filtering
- 802.11i-Ready

Convenient Installation

- Built-in 802.3af Power over Ethernet
- Locking Brackets Included

Advanced Management

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

* Maximum wireless signal rate based on IEEE standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate.

The D-Link AirPremier DWL-3200AP is a powerful and reliable wireless access point for business-class enterprise environments. Designed for indoor installation, this access point provides secure options for network administrators to deploy a highly manageable and extremely robust wireless network. This access point supports Power over Ethernet (PoE) and provides two high-gain antennas for optimal wireless coverage.

PoE Support. Enclosed in a plenum metal chassis, the DWL-3200AP adheres to strict fire codes and ensures complete safety. For advanced installations, this high-speed access point has an integrated 802.3af Power over Ethernet (PoE) support to allow installation in areas where power outlets are not readily available.

Up to 108Mbps Wireless Speed. The DWL-3200AP delivers extremely reliable wireless performance with standard 802.11g wireless throughput rates of up to 54Mbps. It has the added capability of reaching maximum wireless signal rates of up to 108Mbps (Turbo mode) powered by D-Link 108G technology. At the same time, the DWL-3200AP remains fully compatible with the IEEE 802.11b and 802.11g standards.

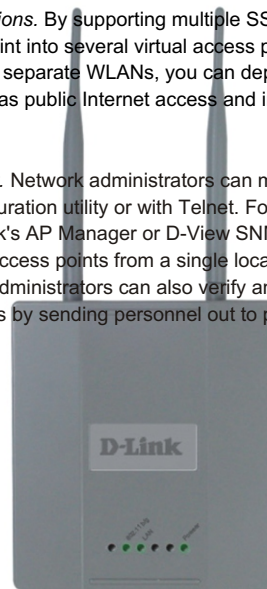
Advanced Wireless Security. Since wireless security remains a strong concern among businesses, the DWL-3200AP provides the latest wireless security technologies by supporting both WPA-Enterprise and 802.1x to ensure complete network protection. In addition, the DWL-3200AP currently comes 802.11i-ready to fully support industrial grade wireless security.

WDS (Wireless Distribution System) Support. To maximize total return on investment, the DWL-3200AP 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 mode, the DWL-3200AP communicates only with wireless bridges, without allowing for wireless clients or stations to access them.

Increased Network Flexibility and Efficiency. The DWL-3200AP supports multiple SSIDs, allowing you to separate applications based on security and performance requirements. You can enable encryption and authentication on one SSID to protect private applications and no security on another SSID to maximize open connectivity for public usage. Multiple SSIDs means you can mix and match the broadcasting of SSIDs. For public Internet access applications, you can broadcast the SSID to enable user radio cards to automatically find available access points. For private applications, you can disable SSID broadcast to prevent intruders from identifying your network. You can set the number of users that can associate via a particular SSID to control usage of particular applications. This can help provide a somewhat limited form of bandwidth control for particular applications.

Cost Saving and Mobile Applications. By supporting multiple SSIDs, the DWL-3200AP allows you to logically divide your access point into several virtual access points all within a single hardware platform. Rather than having two separate WLANs, you can deploy one access point to support more than one application, such as public Internet access and internal network control to increase flexibility and keep costs down.

Advanced Network Management. Network administrators can manage all the DWL-3200AP's settings via its web-based configuration utility or with Telnet. For advanced network management, the administrators can use D-Link's AP Manager or 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.



AirPremier[™]



DWL-3200AP

Product Specifications

Standards

- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3af

Data Rate

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

Wireless Frequency Range

2.4GHz to 2.4835GHz

Antennas

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

Wireless Operating Range *

802.11g (full power with 5dBi gain diversity dipole antennas)

- Indoors:
 - 30m (98ft) @ 54Mbps
 - 34m (112ft) @ 48Mbps
 - 39m (128ft) @ 36Mbps
 - 47m (154ft) @ 24Mbps
 - 56m (184ft) @ 18Mbps
 - 66m (217ft) @ 12Mbps
 - 79m (259ft) @ 9Mbps
 - 99m (325ft) @ 6Mbps
- Outdoors:
 - 112m (367ft) @ 54Mbps
 - 250m (820ft) @ 18Mbps
 - 500m (1640ft) @ 6Mbps

* Environmental factors may adversely affect operation range.

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:
 - 158mW (22dBm)
 - 79mW (19dBm)
 - 40mW (16dBm)
 - 20mW (13dBm)
 - 1mW (0dBm)
- For 802.11g:
 - 126mW (21dBm)
 - 63mW (18dBm)
 - 30mW (15dBm)
 - 20mW (12dBm)
 - 1mW (0dBm)

Receiver Sensitivity

- For 802.11b:
 - 1Mbps: -94dBm
 - 2Mbps: -90dBm
 - 5.5Mbps: -89dBm
 - 11Mbps: -85dBm
- For 802.11g:
 - 1Mbps: -94dBm
 - 2Mbps: -90dBm
 - 5.5Mbps: -89dBm
 - 6Mbps: -90dBm
 - 9Mbps: -84dBm
 - 11Mbps: -85dBm
 - 12Mbps: -82dBm
 - 18Mbps: -80dBm
 - 24Mbps: -77dBm
 - 36Mbps: -73dBm
 - 48Mbps: -72dBm
 - 54Mbps: -72dBm

Device Management

- Web-based: Internet Explorer v.6 or later; Netscape Navigator v.7 or later; or other Java-enabled Browsers
- Telnet
- AP Manager
- SNMP v.3

Operation Modes

- Access Point
- Point-to-Point (PtP) Bridge
- Point-to-Multipoint (PtMP) Bridge

Security

- 64-, 128-, 152-bit WEP data encryption
- MAC address filtering
- WPA/WPA2 EAP
- WPA/WPA2 PSK
- 802.1x User Authentication
- AES
- 802.11i-ready
- SSID broadcast enable/disable
- 802.1Q Multiple SSIDs (maximum 4)

Physical & Environmental

LEDs

- Power
- LAN
- 802.11b/g

Operating Voltage

48VDC +/- 10% for PoE

Power Consumption

6.24 watts (130mA) (max.)

Dimensions

277.7 (L) x 155 (W) x 45 (H) mm
(10.93 x 6.10 x 1.77 inches)

Operating Temperature

32° to 104°F (0° to 40°C)

Storing Temperature

-40° to 149°F (-40° to 65°C)

Operating Humidity

10% to 90% (non-condensing)

Storing Humidity

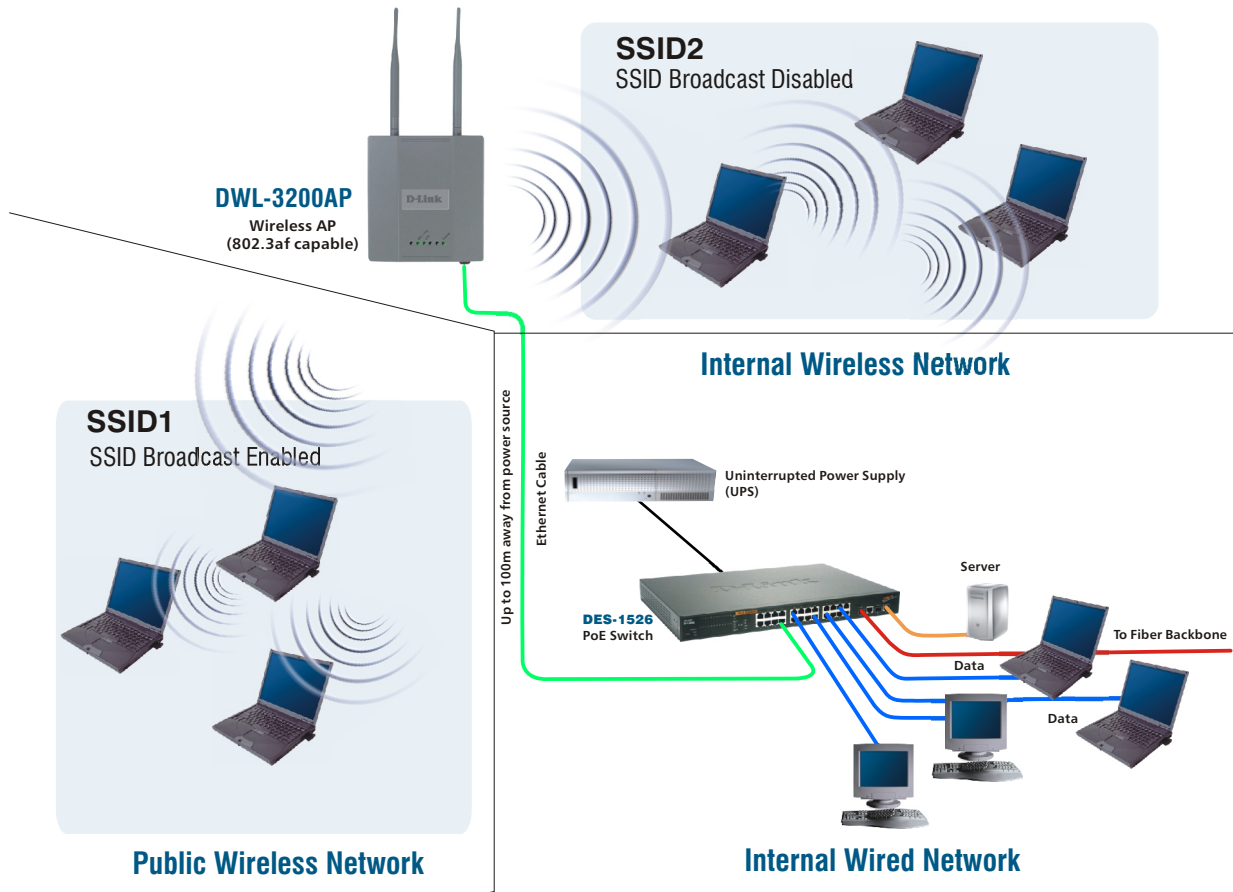
5% to 95% (non-condensing)

Certifications

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



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Deploying a Segmented Wireless Network Using a Single AP With Multiple SSIDs and PoE Support

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