

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
- WDS With AP
- WDS/Bridge (no AP broadcasting)

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/WPA2 Personal
- WPA/WPA2 Enterprise
- WPA-PSK/AES over WDS
- AES
- 802.1Q multiple SSIDs/network segmentation
- MAC address filtering
- 802.11i-ready
- Rogue AP detection
- Up to 8 VLANs/VLAN tagging
- WMM (Wi-Fi Multimedia) certified

Convenient Installation

- Built-in 802.3af Power over Ethernet
- Locking brackets included

Advanced Management

- AP Manager
- Web Browser (HTTP)
- Telnet
- SNMP v.3
- SSL/SSH
- SNTp

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

AirPremier[™]



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.

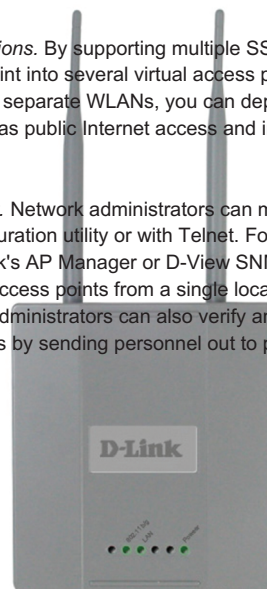
Advanced Wireless Security. Since wireless security remains a strong concern among businesses, the DWL-3200AP provides the latest wireless security technologies by supporting both WPA-Enterprise and WPA2-Enterprise to ensure complete network protection. In addition, the DWL-3200AP currently comes 802.11i-ready 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/Bridge 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.



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

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

Typical Transmit Output Power *

- **FCC**
For 802.11b: 21dBm
For 802.11g: 21dBm
- **ETSI**
For 802.11b: 14dBm
For 802.11g: 14dBm

Antenna Gain

- 5dbi

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
- AES
- 802.11i-ready
- 802.1Q SSID broadcast enable/disable
- Multiple SSIDs (maximum 4)
- Isolated security for each SSID (different security setting for each SSID)
- Rogue AP detection

VLAN

- 802.1Q VLAN Tagging
- Up to 8 VLANs

Quality of Service

WMM (Wi-Fi Multimedia) certified

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

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

Physical & Environmental

LEDs

- Power
- LAN
- 802.11b/g

Operating Voltage

48VDC +/- 10% for PoE

Power Consumption

6.24 watts (130mA) (max.)

Dimensions

164.59 (L) x 184.66 (W) x 31.75 (H)
(6.48 x 7.27 x 1.25 inches)

Weight

603.28 grams (1.33 lbs)

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

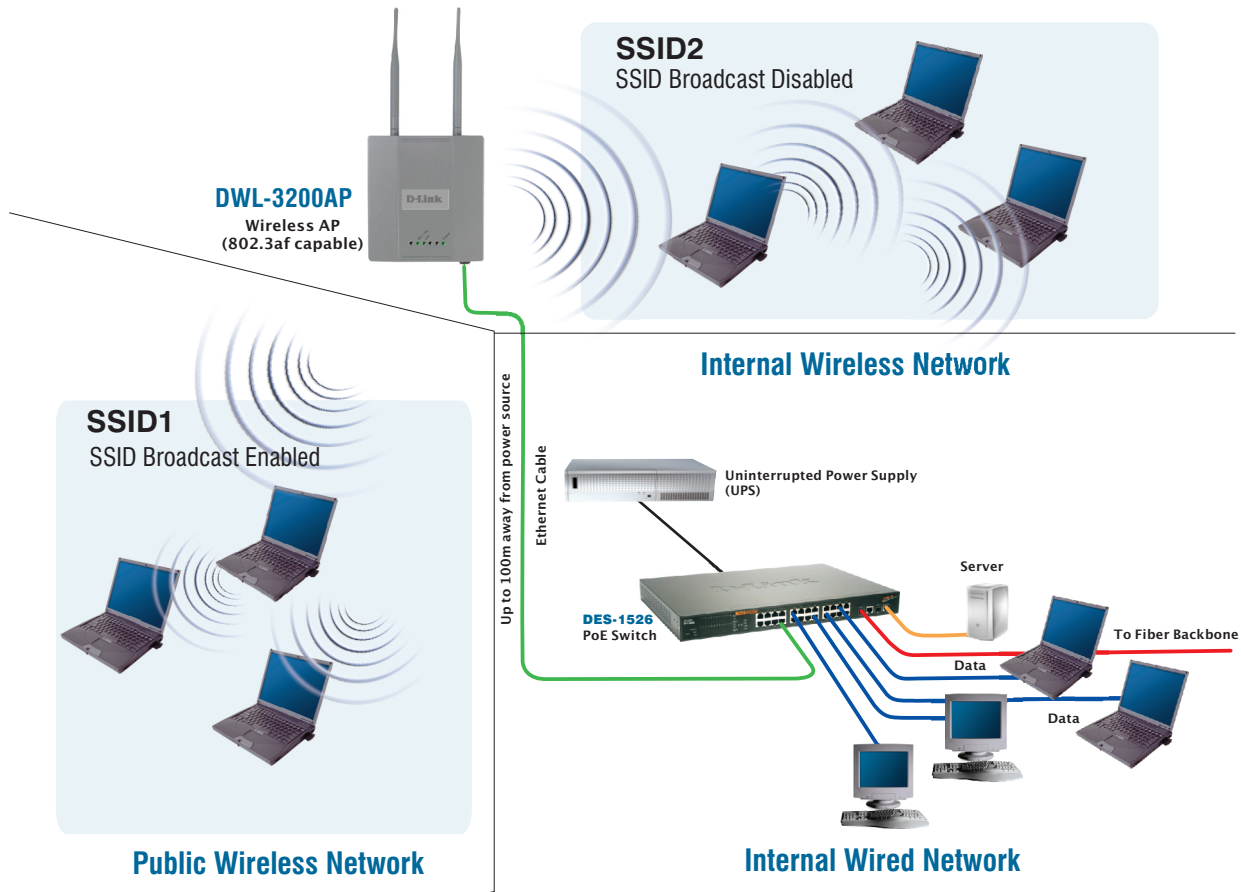
5% to 95% (non-condensing)

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

D-Link Worldwide Offices

U.S.A	TEL: 1-800-326-1688	FAX: 1-866-743-4905	Bulgaria	TEL: 359 2 958 22 42	FAX: 359 2 958 65 57
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Romania	TEL: 40(0)21 320 23 05	FAX: 40(0)21 320 23 07
Europe (U. K.)	TEL: 44-(0)20-8955-9000	FAX: 44-(0)20-8955-9001	Singapore	TEL: 65-6774-6233	FAX: 65-6774-63225
Germany	TEL: 49-(0)6196-77990	FAX: 49-(0)6196-7799300	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
France	TEL: 33 (0)1 30 23 86 88	FAX: 33 (0)1 30 23 86 89	India	TEL: 91-22-2652 6696	FAX: 91-22-2652 8914
Netherlands	TEL: 31-(0)10-282-1445	FAX: 31-(0)10-282-1331	Middle East (Dubai)	TEL: 971-4-391-6480	FAX: 971-4-390-8881
Belgium & Luxemburg	TEL: 32(0)2 517 7111	FAX: 32(0)2 517 6500	Egypt	TEL: 202-291-9035	FAX: 202-291-9051
Switzerland	TEL: 41 (0)1 832 11 00	FAX: 41 (0)1 832 11 01	Turkey	TEL: 90-212-289-5659	FAX: 90-212-289-7606
Austria	TEL: 43 (0)1 240 27 270	FAX: 43 (0)1 240 27 271	Iran	TEL: 90-212-289-5659	FAX: 90-212-289-7606
Sweden	TEL: 46-(0)8 564 619 00	FAX: 46-(0)8 564 619 01	Pakistan	TEL: 92-21-454-8158	FAX: 92-21-453-5103
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Norway	TEL: 47 99 300 100	FAX: 47 22 30 90 85	Latin America	TEL: 56-2-5838-950	FAX: 56-2-5838953
Finland	TEL: 358-10 309 8840	FAX: 358-10 309 8841	Brazil	TEL: 55-11-2185-9300	FAX: 55-11-2185-9322
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Spain	TEL: 34 93 409 0770	FAX: 34 93 491 0795	Russia	TEL: 7-495-744-0099	FAX: 7-495-744-0099
Portugal	TEL: 351 21 8688493	FAX: 351 21 8622492	Japan	TEL: 81-3-5781-0963	FAX: 81-3-5781-0965
Greece	TEL: 30 210 9914 512	FAX: 30 210 9916902	Korea	TEL: 82-2-890-5491	FAX: 82-2-890-549
Czech Republic	TEL: 420 224 247 500	FAX: 420 224 234 967	China	TEL: 86-10-58635800	FAX: 86-10-58635799
Hungary	TEL: 36 (0)1 461 30 00	FAX: 36 (0)1 461 30 04	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-3939
Poland	TEL: 48 (0)22 583 92 75	FAX: 48 (0)22 583 92 76	Headquarters	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898

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