D-Link®
Building Networks for People

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
- Network Access Protection

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

Advanced Management
- AP Manager
- Web Browser (HTTP)
- Telnet
- SSL/SSH
- SNMP v1/v2c/v3

** 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™

Up to 15X Faster

G 108

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.

Additionally, the DWL-3200AP supports Network Access Protection (NAP), which is a feature of Microsoft® Windows Server 2008. NAP allows network administrators to define multiple levels of network access based on the needs of individual clients. If a client is identified outside of their access area, the client will be automatically brought back to their permitted network access level.

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.

AirPremier™

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, and1 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 *
- 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 8)
- Isolated security for each SSID (different security setting for each SSID)
- Rogue AP detection
- Network Access Protection

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 II
- D-View
- SNMP support:
  Private MIB
- Command Line Interface:
  Telnet
  SSH

** Maximun wireless signal rate based on IEEE standard802.11g specifications. Actualdata throughput may vary. Network conditions and environmental factors can lower actualdata throughput rate.*

Physical & Environmental

LEDs
- Power
- LAN
- 802.11b/g

Operating Voltage
48VDC +/- 10% for PoE

Power Consumption
6.24 watts (130mA) (max.)

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

Weight
603.28 grams (1.33 lbs)

Operating Temperature
32° to 104°F (0° to 40°C)

Storing Temperature
-4° to 149°F (-20° 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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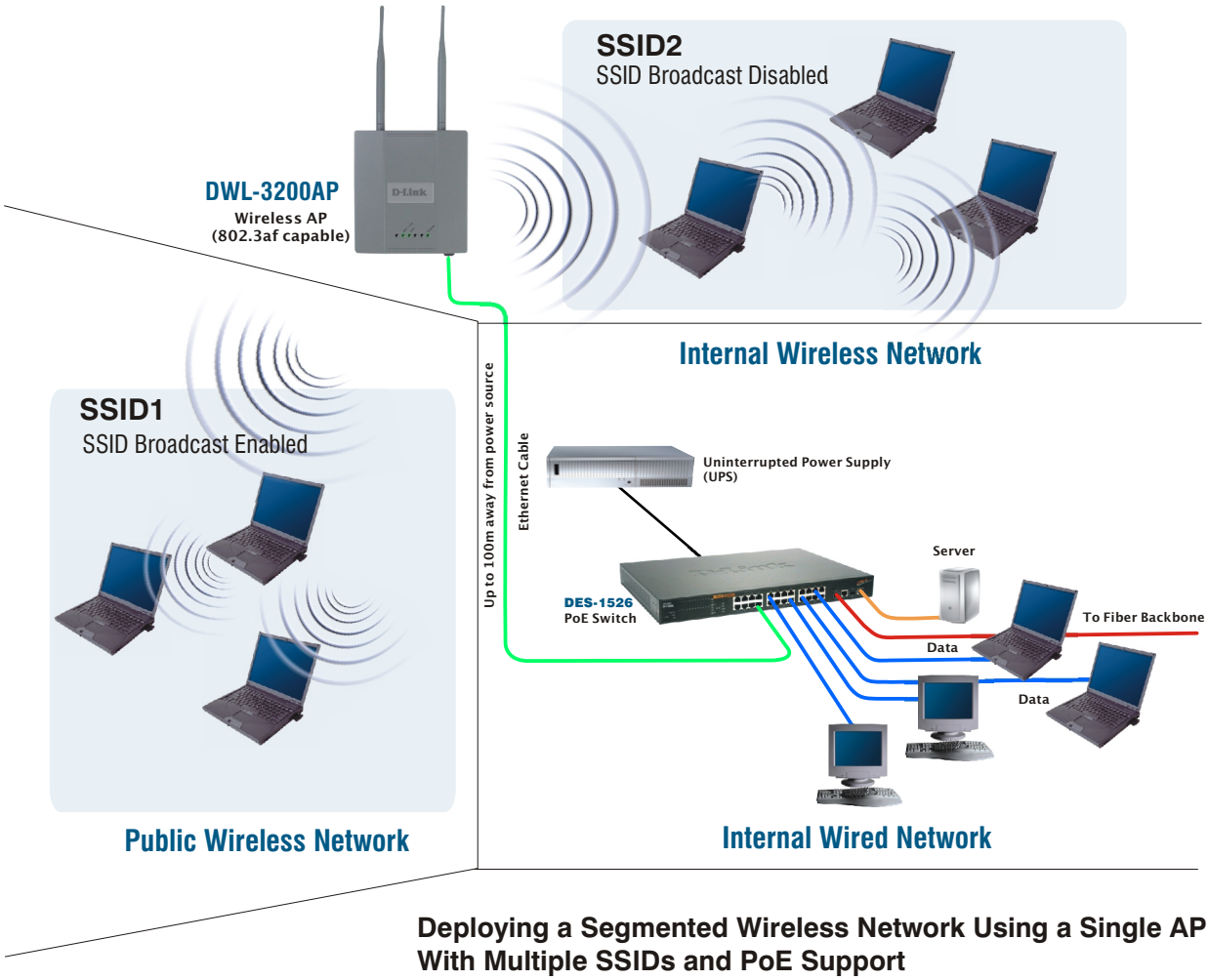

Deploying a Segmented Wireless Network Using a Single AP With Multiple SSIDs and PoE Support

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