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-Employee 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 encryption and authentication on one SSID to protect private applications and no security on another SSID to maximize open connectivity for public usage.

You can set the number of users that can associate via a particular SSID to control usage of particular applications. You can disable SSID broadcast to prevent intruders from identifying your network. If you can set the number of users that can associate via a particular SSID, you can broadcast another SSID to maximize open connectivity for public usage. Multiple SSIDs means you can mix encryption and authentication on one SSID to protect private applications and no security on another SSID to maximize open connectivity for public usage.

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

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 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

Antennas Operation Modes
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Network Access Protection

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
603.26 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 93% (non-condensing)

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

* 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 rates.

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Building Networks for People

AirPremier™

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