D-Link®
Building Networks for People

DWL-3200AP

*Air*Premier®
Managed Access Point

Product Data Sheet

D-Link, an industry pioneer in wireless networking, introduces a solution for businesses seeking to deploy and implement powerful and reliable Wireless LANs. D-Link unveils its new *Air*Premier DWL-3200AP 802.11g Managed Access Point, designed specifically for business-class environments such as large or enterprise corporations, to provide secure and manageable wireless LAN options for network administrators.

The DWL-3200AP allows network administrators to deploy a highly manageable and extremely robust wireless network. This access point has two high-gain antennas for optimal wireless coverage. Enclosed in a plenum metal chassis, the DWL-3200AP adheres to strict fire codes and ensures complete safety. For advanced installations, this new high-speed Access Point has an integrated 802.3af Power over Ethernet (PoE) support to allow installation of this device in areas where power outlets are not readily available.

The DWL-3200AP delivers extremely reliable wireless performance with standard 802.11g wireless throughput rates of up to 54Mbps[1] and has the added capability of reaching maximum wireless signal rates of up to 108Mbps[2] 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.

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. Other security features included in this Access Point are MAC Address Filtering, Wireless LAN segmentation, Disable SSID Broadcast, and support for Advanced Encryption Standard (AES) Encryption.

To maximize total return on investment, the DWL-3200AP can be configured in any one of three modes: Access Point, Wireless Distribution System (WDS), and WDS with AP Mode. WDS support allows the AP to provide network access to client devices and/or serve as the wireless network backbone. With WDS Support, network administrators have a wide selection of deployment options.

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

With integrated PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the new D-Link *Air*Premier DWL-3200AP Wireless Access Point provides SMB environments with a business-class solution for deploying a wireless network in the workplace.

Managed Access Point

Specifications

Standards
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x

Device Management
- Web-Based – Internet Explorer v6 or later; Netscape Navigator v7 or later; or other Java-enabled browsers.
- Telnet
- AP Manager
- SNMP v3

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

Security
- WPA – Enterprise
- WPA – Personal
- 64/128/152-bit WEP
- MAC Address Access Control List
- 802.11i-Ready

Wireless Frequency Range
- 2.4GHz to 2.4835GHz

Wireless Operating Range[3]
802.11g (Full Power with 5dBi gain diversity dipole antenna)
Indoors:
- 98ft (30m) @ 54Mbps
- 112ft (34m) @ 48Mbps
- 118ft (36m) @ 36Mbps
- 151ft (46m) @ 24Mbps
- 197ft (60m) @ 18Mbps
- 213ft (65m) @ 12Mbps
- 256ft (78m) @ 9Mbps
- 308ft (94m) @ 6Mbps
Outdoors:
- 279ft (85m) @ 54Mbps
- 656ft (200m) @ 18Mbps
- 1148ft (350m) @ 6Mbps

Operating Voltage
- 48V DC +/- 10% for PoE

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)
- 20mW(13dBm)
- 79mW(19dBm)
- 1mw(0dBm)
- 40mW(16dBm)

For 802.11g:
- 126mW(21dBm)
- 20mW(12dBm)
- 63mW(18dBm)
- 1mW(0dBm)
- 30mW(15dBm)

Receiver Sensitivity
For 802.11b:
- 1Mbps: -92dBm
- 2Mbps: -90dBm
- 5.5Mbps: -88dBm
- 11Mbps: -85dBm
For 802.11g:
- 1Mbps: -92dBm
- 2Mbps: -90dBm
- 5.5Mbps: -88dBm
- 6Mbps: -88dBm
- 9Mbps: -86dBm
- 11Mbps: -85dBm
- 12Mbps: -85dBm
- 18Mbps: -83dBm
- 24Mbps: -80dBm
- 36Mbps: -76dBm
- 48Mbps: -72dBm
- 54Mbps: -72dBm

LEDs
- Power
- LAN
- 802.11b/g

Temperature
- Operating: 32ºF to 104ºF (0ºC to 40ºC)
- Storing: -40ºF to 149ºF (-40ºC to 65ºC)

Humidity
- Operating: 10%~90% (non-condensing)
- Storing: 5%~95% (non-condensing)

Certifications
- FCC
- Wi-Fi

Dimensions
- L = 10.93 inches (277.7mm)
- W = 6.10 inches (155mm)
- H = 1.77 inches (45mm)

Warranty
- 1 Year

[1] Maximum wireless signal rate based on IEEE Standard 802.11g 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.
[2] Maximum wireless signal rate derived from IEEE Standard 802.11g 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.
[3] Environmental conditions may adversely affect wireless signal range.

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