

DWL-2210AP



AirPremier[®]

Wireless G Adaptive Access Point with AP Clustering

FEATURES

Breakthrough Network Performance

- AP Clustering Technology Reduces Downtime During Network Management
- QoS Prioritization Gives Higher Priority to Mission-Critical Applications
- Load Balancing for Optimal Wireless Performance
- VLAN Tagging Safeguard Network

Unrivaled Security Enhancements

- WPA-Enterprise
- WPA-Personal
- Internal RADIUS-Lite Database
- Rogue AP Detection
- Guest Access Control
- 64,128-bit WEP

Flexible Setup Options

- Supports 802.3af Power over Ethernet
- Detachable 5dBi High-Gain Antenna
- Plug & Play Setup for Additional APs Added to Existing Network

Simplified Management Process

- Web-based Management Interface
- Automatic Self-Configuration of Other DWL-2210APs on Network via AP Clustering Technology

D-Link, the industry pioneer in wireless networking, introduces a performance breakthrough in wireless connectivity – The D-Link AirPremier[®] DWL-2210AP Wireless G Adaptive Access Point with AP Clustering is a business-class Access Point designed for the needs of small to medium business users.

Today's network administrators demand high performance products which require minimal supervision and management. The DWL-2210AP meets these expectations with its robust features including 802.3af Power over Ethernet (PoE), a built-in authentication database, Load Balancing, WDS, and Quality of Service. To better manage all of these features, the DWL-2210AP introduces AP Clustering technology – an “adaptive” technology which allows up to eight DWL-2210APs to connect over the Ethernet network and communicate directly with each other. With this direct communication, once settings on a single DWL-2210AP are configured, all other DWL-2210AP's connected to the Ethernet network will sync up and automatically match the new configurations – this eliminates the need to manage each DWL-2210AP individually.

In addition to its robust 802.11g performance, the DWL-2210AP includes several new advanced features. For example, to control network traffic, the DWL-2210AP supports Quality of Service (QoS) to ensure data is prioritized based on applications running on the network. Bandwidth sensitive applications such as VoIP or streaming media will have higher precedence over less mission-critical applications. Other advanced features include Rogue AP detection which scans for unauthorized access points on the network; Wireless Distribution System (WDS) for wireless bridging while simultaneously providing access point functionality; and Load Balancing to ensure optimal connections for all users connected to any of the DWL-2210APs.

For security, the DWL-2210AP supports several means to keep your data and network access safe from outside intruders and malicious attacks. For wireless communication security, the DWL-2210AP supports 64/128-bit WEP, WPA-Personal, and WPA-Enterprise. This new Adaptive Access Point also has an integrated authentication RADIUS-Lite database that can be used instead of an expensive external RADIUS server. When operating in WDS mode, each bridge link can be secured with either 64- or 128-bit WEP. For additional network access security, the DWL-2210AP supports VLAN tagging to provide internal and guest network access options. This feature allows you to configure the DWL-2210AP to provide Internet access to visitors while keeping them segmented from your internal private network.

To complement these exceptional business class features – the DWL-2210AP also supports the standards-based 802.3af Power over Ethernet (PoE) connection and has a high-gain 5dBi omni-directional antenna. By using the included power injector, the DWL-2210AP can be powered through an Ethernet cable for installation in locations where power outlets are not readily available. This feature provides installation flexibility so you can put a DWL-2210AP in an optimal location to maximize your wireless coverage area.

By combining powerful business class features with a high-performance hardware platform – the new D-Link Wireless G Adaptive Access Point with AP Clustering is designed to meet the demands of today's businesses.

Easily Create or Expand a Wireless Network

Specifications

Standards

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

Device Management

- Web-Based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java-enabled browsers.
- Kickstart

Data Rate¹

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

Security

- 64-, 128-, 152-bit WEP
- WPA – Personal: TKIP/AES PSK Mode
- WPA – Enterprise: RADIUS Server Mode (EAP-MD5/TLS/TTLS/PEAP)
- Embedded RADIUS Server
- Weak IV Avoidance
- Ignore/Inhibit SSID Broadcast
- MAC Address Access Control List

Wireless Frequency Range

- 2.4GHz to 2.4835GHz

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:
- 40mW (16dBm)
 - 32mW (15dBm)
 - 10mW (10dBm)
 - 6mW (7dBm)
- For 802.11g:
- 63mW (18dBm)
 - 40mW (16dBm)
 - 32mW (15dBm)
 - 6mW (7dBm)
 - 1mW (0dBm)

Antenna Type

- Dipole antenna with 5dBi gain

Operating Voltage

- 48VDC +/- 10% for PoE

Receiver Sensitivity

- For 802.11b:
- 1Mbps: -94dBm
 - 2Mbps: -90dBm
 - 5.5Mbps: -88dBm
 - 11Mbps: -85dBm
- For 802.11g:
- 1Mbps: -94dBm
 - 2Mbps: -91dBm
 - 5.5Mbps: -89dBm
 - 6Mbps: -91dBm
 - 9Mbps: -90dBm
 - 11Mbps: -86dBm
 - 12Mbps: -89dBm
 - 18Mbps: -87dBm
 - 24Mbps: -84dBm
 - 36Mbps: -80dBm
 - 48Mbps: -76dBm
 - 54Mbps: -73dBm

Wireless Operating Range²

802.11g (Full Power with 5dBi gain diversity dipole antenna)

Indoors:

- 98ft (30m) @ 54Mbps
- 108ft (33m) @ 48Mbps
- 121ft (37m) @ 36Mbps
- 151ft (46m) @ 24Mbps
- 203ft (62m) @ 18Mbps
- 223ft (68m) @ 12Mbps
- 256ft (78m) @ 9Mbps
- 302ft (92m) @ 6Mbps

Outdoors:

- 328ft (100m) @ 54Mbps
- 968ft (295m) @ 11Mbps
- 1378ft (420m) @ 6Mbps

LEDs

- Power
- 10M/100M
- WLAN

Temperature

- Operating: 32°F to 104°F (0°C to 40°C)
- Storing: -4°F to 149°F (-20°C to 65°C)

Humidity

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

Certifications

- FCC Part 15
- UL

Dimensions

- L = 5.59 inches (142mm)
- W = 4.29 inches (109mm)
- H = 1.22 inches (31mm)

Weight

- 0.44 lbs (200g)

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 Environmental conditions may adversely affect wireless signal range.