D-Link®
Building Networks for People

Product Highlights

Next Generation Connectivity

Ideal for small to medium enterprises with dual-band support for 802.11n and ac devices and over 1 Gbps throughput for reliable connections

Unparalleled Level of Performance

Experience smooth and stable performance with a powerful CPU, beamforming for greater coverage, and bandsteering for managing traffic

Versatile Management

AP deployment is efficient and easy with a self-configuring cluster mode for simplified setup and RF resource management for weakness detection

Lifetime Warranty

DWL-8610AP
Unified Wireless Concurrent Dual Band 802.11ac Access Point

Features

Ideal for Business
- Self-configuring cluster, enabling effortless provisioning
- Up to 32 virtual access points may be created from a single access point
- Flexible QoS with WMM
- 802.3at Power Over Ethernet enables installation at hard to reach locations

High Performance Connectivity
- Beamforming technology
- Bandsteering for efficient traffic management
- Dual Gigabit Ethernet LAN ports
- UL2043 certified chassis
- Up to 8 DWL-8610AP units may form a self-configuring cluster

Trusted Security
- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- MAC address filtering
- Rogue AP detection

The DWL-8610AP Unified Wireless Concurrent Dual Band 802.11ac Access Point is an access point specially designed for small/medium enterprises, providing unparalleled bandwidth and flexibility for administrators looking to deploy a medium/large scale Wi-Fi network. Featuring the latest 802.11ac technology on its 5 GHz band, the DWL-8610AP brings you to the forefront in cutting edge wireless technology.

Greater Reach and Flexibility

The DWL-8610AP provides unparalleled connectivity by using a 3 x 3 implementation, allowing for over 1 Gbps of throughput over the air. Beamforming technology enables the DWL-8610AP to have even greater reach than its predecessor, thereby allowing even more flexibility in any deployment scenario. Based on 3 x 3 802.11n technology, the DWL-8610AP provides the highest possible level of performance on the 2.4 GHz band.

Centrally Manage your Wireless Network

When working in conjunction with D-Link Unified Switch/Controllers, the DWL-8610AP can be centrally managed. This allows a large number of APs to be deployed and managed easily and efficiently. Once the APs are discovered by the switch/controller, the administrator can push specific configuration sets onto them rather than having to do so one by one. In addition, RF resource management and security are also managed centrally, thus allowing the administrator to preemptively identify potential deficiencies and weaknesses in the network.

Self-Configuring Cluster

For small businesses that need to deploy multiple APs but lack the resources to tackle the complicated task of network management, the DWL-8610AP's self-configuring cluster feature offers the ideal solution. When a small number of DWL-8610APs are deployed on the network, they may be configured to form a self-configuring cluster. Once the administrator configures one access point, the same configuration can then be applied to all remaining APs. Up to 8 APs may be used to form a cluster, making setting up your business wireless network a breeze.

Upgraded for Superior Performance

The DWL-8610AP features a more powerful CPU, giving it a performance boost over its predecessor. The high gain internal omnidirectional antenna increases its reach, eliminating dead spots and filling hard to reach places. Bandsteering technology enables the AP to balance the load between its two radios, rather than having all users crowd into the 2.4 GHz band, allowing for smooth streaming of video, instant SMS and e-mail, and fast downloading for mobile devices.

Automatic RF Management Saves Power and Money

When a number of access points are deployed close to each other, interference may result if proper RF management is not implemented. When a DWL-8610AP senses a neighbor nearby, it will automatically select a non-interfering channel. This greatly reduces RF interference and will allow the administrator to deploy APs more densely. To further minimize interference, when a nearby AP is operating on the same channel, the DWL-8610AP will automatically lower its transmission power.[1] When, for whatever reason, the nearby AP is no longer present, the DWL-8610AP will dynamically increase its transmission power to expand coverage.

Quality of Service for Increased Connectivity

The DWL-8610AP supports 802.1p Quality of Service (QoS) for enhanced throughput and better performance of time-sensitive traffic like VoIP and streaming DSCP. The DWL-8610AP is WMM-certified, so in the event of network congestion, time-sensitive traffic can be given priority ahead of other traffic. Furthermore, when a number of DWL-8610AP units are in close proximity to each other, an access point will refuse new association requests once its resources are fully utilized, allowing the association request to be picked up by a neighboring unit. This feature ensures that no single AP is overburdened while others nearby sit idle.

Lifetime Warranty

D-Link offers a Lifetime Warranty on the DWL-8610AP Access Point to further its commitment to product quality and long-term customer confidence.

Technical Specifications

General

Interfaces	• 802.11b/g/n 2.4 GHz wireless • 802.11ac 5 GHz wireless • Two 10/100/1000 LAN ports • RJ-45 console port	• Factory reset button • Power switch • Power connector
Antenna	• Internal omnidirectional antennas	• 6.5 dBi for 5 GHz, 5 dBi or 2.4 GHz
Power Method	• Powered by PoE or 12 V / 2 A	

Functionality

Operating Channel	• 2.4 GHz / 5 GHz • 11 channels for United States	• 13 channels for Europe • 13 channels for Japan
Web-based User Interface	• HTTP/HTTPS	
Command Line	• RJ-45 serial console • Telnet/SSH	• SNMP

Security

SSID Security	• Up to 32 SSIDs, 16 per radio • IEEE 802.1Q VLAN	• Station Isolation
Wireless Security	• WPA Personal/ Enterprise	• AES and TKIP
Detection & Prevention	• Rogue and Valid AP Classification	
Authentication	• MAC address filtering	

Physical

Dimensions	• 198 x 171 x 40 mm (7.8 x 6.7 x 1.6 in)
Weight	• 862 grams (1.9 lbs)
Power Adapter	• Input: 100 to 240 V AC • Output: 12 V DC, 2 A
Max. Power Consumption	• 12.95 W
Power over Ethernet	• 10/100/1000 Mbps PoE (802.3at) input
Enclosure	• Bottom cover – metal • UL2043 certified • Top cover – plastic
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing
Certifications	• CE • C-Tick • FCC • VCCI • IC • NCC • cUL • Wi-Fi • LVD • TELEC • UL2043 (for plenum-rated SKU only) • EN 60601-1-2

Order Information

Part Number	Description	Warranty
DWL-8610AP	Unified Wireless Concurrent Dual Band 802.11ac Access Point	Lifetime

Optional Accessories

PSE-M12V2A	AC/DC Power Adapter, 12 V DC, 2 A

[1] This feature is available when Unified AP is used in conjunction with D-Link's line of Unified Wireless Switches/controllers.

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Hardware Rev A

DWL-8610AP_REVA_DATASHEET_1.02_EN_US.PDF

For more information

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