

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

Rugged Construction

IP68 weatherproof housing and weathershield makes the DWL-8710AP ideal for the most demanding of surveillance applications



DWL-8710AP

Dual-Band 802.11n/ac Unified Wireless Outdoor 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 16 DWL-8710AP units may form a self-configuring cluster

Trusted Security

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

Made for Outdoor Environments

- IP67 Water and Dust-Proof housing
- Weather Resistant to temperatures between -40 and 70°C
- Metal housing repels liquid water while allowing for heat and humidity dissipation

The DWL-8710AP Dual-Band 802.11n/ac Unified Wireless 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-8710AP brings you to the forefront in cutting edge wireless technology.

Greater Reach and Flexibility

The DWL-8710AP provides unparalleled connectivity by using a 2 x 2 implementation, allowing for over 1 Gbps of throughput over the air. Beamforming technology enables the DWL-8710AP to have even greater reach than its predecessor, thereby allowing even more flexibility in any deployment scenario. Based on 2 x 2 802.11n technology, the DWL-8710AP provides the highest possible level of performance in the 2.4 GHz band.

Centrally Manage your Wireless Network

When working in conjunction with D-Link Unified Switch/Controllers, the DWL-8710AP 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-8710AP's self-configuring cluster feature offers the ideal solution. When a small number of DWL-8710AP's 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 16 APs may be used to form a cluster, making setting up your business wireless network a breeze.

Upgraded for Superior Performance

The DWL-8710AP 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 isn't implemented. When a DWL-8710AP 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-8710AP will automatically lower its transmission power.¹ When, for whatever reason, the nearby AP is no longer present, the DWL-8710AP will increase its transmission power to expand coverage.

Quality of Service for Increased Connectivity

The DWL-8710AP supports 802.1p Quality of Service (QoS) for enhanced throughput and better performance of time-sensitive traffic like VoIP and streaming DSCP. The DWL-8710AP 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-8710AP 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.

Technical Specifications

General

Interfaces	<ul style="list-style-type: none"> • 802.11b/g/n 2.4 GHz wireless • 802.11ac 5 GHz wireless • Two 10/100/1000 LAN ports • RJ45 console port 	<ul style="list-style-type: none"> • Power switch • Power connector
Antenna	<ul style="list-style-type: none"> • External N-Type antennas 	
Power Method	<ul style="list-style-type: none"> • Powered by PoE 802.3at 	<ul style="list-style-type: none"> • AC Power Adapter 12VDC 2A

Functionality

Operating Channel	<ul style="list-style-type: none"> • 2.4 / 5 GHz • 11 channels for United States 	<ul style="list-style-type: none"> • 13 channels for Europe • 13 channels for Japan
Web-based User Interface	<ul style="list-style-type: none"> • HTTP/HTTPS 	
Command Line	<ul style="list-style-type: none"> • SNMP • CLI with Telnet/ SSH 	<ul style="list-style-type: none"> • Web GUI

Security

SSID Security	<ul style="list-style-type: none"> • Up to 32 SSIDs, 16 per radio • 802.1Q VLAN 	<ul style="list-style-type: none"> • Station Isolation
Wireless Security	<ul style="list-style-type: none"> • WPA Personal/ Enterprise 	<ul style="list-style-type: none"> • AES and TKIP
Detection & Prevention	<ul style="list-style-type: none"> • Rogue and Valid AP Classification 	
Authentication	<ul style="list-style-type: none"> • MAC Address Filtering 	

Dual-Band 802.11ac Unified Wireless Outdoor Access Point

Physical	
Dimensions	• 250 x 220 x 70 mm
Weight	• 2.53 kg (without antennas)
Power Voltage	• 12V DC +/- 10% for PoE
Power over Ethernet	• 10/100/1000 Mbps PoE (802.3at) input
Enclosure	<ul style="list-style-type: none"> • Bottom cover – metal • Top cover – Metal <ul style="list-style-type: none"> • UL2043 certified
Temperature	<ul style="list-style-type: none"> • Operating: -40 to 70 °C (-40 to 158 °F) • Storage: -40 to 70 °C (-40 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing
Certifications	<ul style="list-style-type: none"> • CE • FCC • IC • cUL • LVD • UL2043 (for plenum-rated SKU only) <ul style="list-style-type: none"> • C-Tick • VCCI • NCC • Wi-Fi • TELEC • IP67
Order Information	
<i>Part Number</i>	<i>Description</i>
DWL-8710AP	Dual-Band 802.11n/ac Unified Wireless Outdoor Access Point

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

Updated 25/06/15