D-Link
Building Networks for People

Wireless AC

Product Highlights

Enjoy High-Performance Wireless Connectivity

Harness the power of Wireless AC, enjoying wireless speeds of up to 867+300 Mbps[1], perfect for high-demand business applications

Enhanced Dual-Band Performance

Load balancing with band steering to provide a faster and more stable wireless connection

Rugged Construction

IP67-compliant and designed to operate in harsh outdoor environments and temperatures ranging from -30 up to 60˚C

Unparalleled Flexibility and Scalability

Can be used as a standalone wireless access point as well as clustered and managed centrally via a D-Link Wireless Controller or Unified Switch

DWL-8710AP

Wireless AC1200 Dual-Band Outdoor Unified Access Point

Features

Ideal for Business and Campus Environments

- Blazing performance with combined wireless speeds of up to 867+300 Mbps[1]
- 2 Gigabit Ethernet LAN ports for bridging another device, such as camera or AP
- Automatic load-balancing between linked APs
- Combine with D-Link's Wireless Controllers (DWC-1000 and DWC-2000) or Unified Switches (DWS-3160 Series and DWS-4026) to control and manage up to 1,024 access points[3]

Trusted Security

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

RF Management

- Automatic channel selection
- Automatic transmit power adjustment

Convenient Installation

- IP67-compliant housing, allowing it to withstand very harsh weather conditions
- Can be easily attached to a wall or pole using the provided mounting kits
- Supports 802.3at Power over Ethernet, allowing the unit to be installed in remote locations

The DWL-8710AP is an outdoor dual-band Wireless AC1200 Access Point designed specifically for deployment in business and campus environments. Highly manageable and capable of blazing speeds, the DWL-8710AP integrates seamlessly into an existing network infrastructure and can be easily scaled to meet future demands.

Superior Wireless AC Performance

The DWL-8710AP delivers reliable, high-speed wireless performance using the latest 802.11ac standards with maximum wireless signal rates of up to 300 Mbps over the 2.4 GHz band, and 867 Mbps over the 5 GHz band[1]. With band steering, the DWL-8710AP detects whether or not the wireless client is dual-band capable and if it is, it will push the client to connect to the less congested 5 GHz 802.11ac/n network. It does this by actively blocking the client's attempts to associate with the 2.4 GHz network. Band steering can ensure clients on the 5 GHz band can achieve their maximum performance without being bottle-necked by legacy 2.4 GHz 802.11b/g/n clients. This way, you can make the most of Wireless AC technology and at the same time ensure backwards compatibility with existing legacy equipment.

AC SmartBeam™ technology enables the DWL-8710AP to have even greater reach than ever before. By focusing the wireless signal at connected devices, it guarantees continuous fast wireless speeds, anywhere in the office, even under heavy network utilisation or in areas that had bad wireless signal.

Convenient Installation

The DWL-8710AP can be installed on a wall or pole with the included mounting brackets. The DWL-8710AP is IP67-compliant and is designed to operate in harsh outdoor environments and temperatures ranging from -30 up to 60˚C. In addition, all network interfaces are protected against electrical surges, enabling the device to be placed in areas where there is a risk of being struck by lightning. For easy installation, it has integrated 802.3at Power over Ethernet (PoE) support, allowing installation of this device in areas where power outlets are not readily available.

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Centrally Manage your Wireless Network

When working in conjunction with a D-Link Unified Switch or Wireless Controller, the DWL-8710AP, like other D-Link Unified Access Points, may be centrally managed. This allows up to 1,024 D-Link Unified Access Points to be deployed and managed easily and efficiently[3]. Once the APs are discovered by the switch/controller, the administrator can push a specific set of configurations 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 pre-emptively identify potential deficiencies and weaknesses in the network.

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 neighbour 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 minimise interference, when a nearby AP is operating on the same channel, the DWL-8710AP will automatically lower its transmission power[2]. 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-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-8710APs are in close proximity with each other, an access point will refuse new association requests once its resources are fully utilised. Instead, the association request will be picked up by a neighbouring unit. This feature ensures that no single AP is overburdened while others nearby sit idle.

Security

The DWL-8710AP supports the latest standards in Wi-Fi security, including WEP, WPA, WPA2, and 802.1X. In addition, it supports up to 16 Virtual Access Points (VAP) per radio, for a total of 32 VAPs, which allows the administrator to assign different access privileges to different groups of users. When Station Isolation is enabled, the AP blocks communication between wireless clients on the same radio and VAP. Rogue APs in the network can be easily detected, and the administrator will be immediately notified of any security threat. When used together with D-Link's Wireless Controller or Unified Switch, the security can be enhanced further.

D-LinkAssist
Rapid Response Support

If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

D-Link Assist Gold - for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

D-Link Assist Silver - for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist Bronze - for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

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Technical Specifications

General

Device Interfaces	• 802.11a/g/n/ac 2x2 MIMO • 2 Gigabit LAN Ports (one port supporting 802.3at PoE)	• 4 N-Type antenna connectors (2 x 2.4 GHz, 2 x 5 GHz)
Operating Frequency	• 2400 MHz to 2483.5 MHz ISM band • 5.180 GHz to 5.240 GHz • 5.280 GHz to 5.320 GHz	• 5.500 GHz to 5.700 GHz • 5.745 GHz to 5.825 GHz
Data Transfer Rate	• 802.11ac: 433 Mbps-867 Mbps • 802.11n: 6.5 Mbps-300 Mbps	• 802.11g: 54, 48, 36, 24, 12, 9, and 6 Mbps • 802.11a: 54, 48, 36, 24, 12, 9, and 6 Mbps
Operating Channels	• 1 to 13 channels for 2.4 GHz band (per country code)	• 36 to 165 channels for 5 GHz band (per country code)
Antenna	• 2 x 7 dBi gain for 5 GHz radio • 2 x 5 dBi gain for 2.4 GHz radio	• 4 external omni-directional antennas included

Functionality

SSID Security	• Up to 32 SSIDs, 16 per radio • 802.1Q VLAN	• Station Isolation
Wireless Security	• WPA/WPA2 Personal / Enterprise • AES	• TKIP
Detection & Prevention	• Rogue and Valid AP Classification	
Authentication	• MAC Address Filtering	

Network Management	• Operational modes
	  • Standalone
	  • AP Array
	  • Managed (with DWC-2000, DWC-1000, DWS-4026 or DWS-3160 Series)
		• Web-based user interface (HTTP/HTTPS)
		• Telnet/SSH
		• SNMP

Physical

Dimensions	• 250 x 220 x 45 mm (9.48 x 8.66 x 1.77 inch) excluding mounting base	
Weight	• 2053 g (4.53 lbs) with antennas attached	• 1795 g (3.96 lbs) without antennas attached
Power Consumption	• 16.5 W maximum	
Power over Ethernet	• 802.3at compliant Power over Ethernet	
Enclosure	• Metal and polycarbonate • IP67-rated housing	• UL2043 certified • GORE® Vent
Temperature	• Operating: -30 to 60 °C (-22 to 140 °F)	• Storage: -30 to 70 °C (-22 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	
Certifications	• CE • EN 301 893 V1.7.1 (2012-06) (DFS/TPC) • EN 300 328 V1.8.1 (2012-06) • FCC • IC • cUL	• C-Tick • NCC • Wi-Fi • LVD • UL2043 • BSMI

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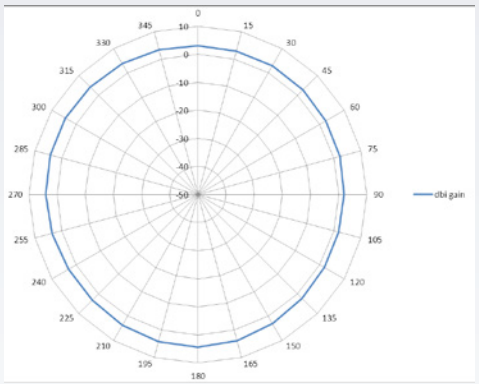
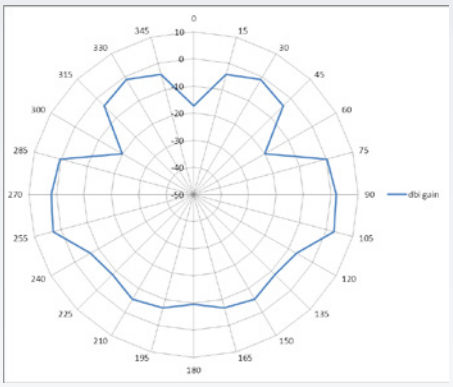
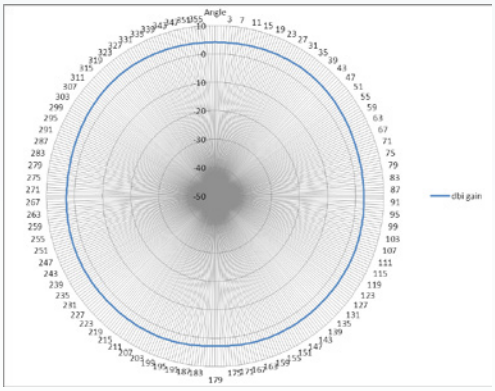
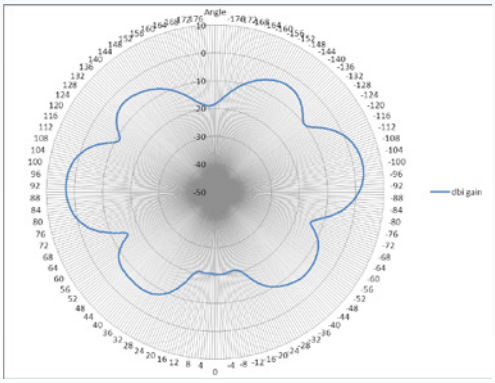
Radio Pattern 2.4 GHz Antenna

Orientation	H-Plane	E-Plane
		

Radio Pattern 5 GHz Antenna

Orientation	H-Plane	E-Plane
		

[1] Maximum wireless signal rate is as specified by the IEEE 802.11ac and 802.11n standards. Actual data throughput will vary. Network and other environmental factors, including volume of network traffic, building materials, and nearby radio interference may lower actual data throughput.
[2] This feature is available when the DWL-8710AP is used in conjunction with D-Link's lineup of Unified Wireless Switches and/or Controllers.
[3] When deployed in conjunction with a cluster of 4 x DWC-2000 with optional D-Link Business Wireless Plus Licenses.

For more information: www.dlink.com

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