D-Link
Building Networks for People

Wireless AC

Product Highlights

Next Generation Connectivity

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

Unparalleled Levels of Performance

Experience smooth and stable performance with a powerful CPU, and better managed traffic with bandsteering and airtime fairness

Versatile Management

Simplify AP deployment with self-configuring cluster mode, and increase coverage with Radio Frequency resource management

DWL-6610AP

Wireless AC1200 Dual-Band Unified Access Point

Features

Ideal for Business

- Self-configuring cluster feature
- Up to 32 virtual access points may be created from a single access point
- Flexible QoS with Wi-Fi Multimedia (WMM)
- IEEE 802.3af Power over Ethernet (PoE)
- UL2043 certified chassis (plenum-rated SKU)

High-Performance Connectivity

- Bandsteering for efficient traffic management
- One Gigabit Ethernet LAN port
- Airtime fairness

Trusted Wireless Security Feature

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

The DWL-6610AP Wireless AC1200 Dual-Band Unified Access Point is designed for small to medium businesses and enterprises, providing unparalleled bandwidth and flexibility for medium to large scale Wi-Fi networks. Featuring the latest 802.11ac technology on its 5 GHz band, the DWL-6610AP allows you to deploy more devices and provide greater throughput for your wireless clients.

Greater Reach and Flexibility

The DWL-6610AP provides unparalleled connectivity by using a 2 x 2 antenna implementation, allowing high combined data rates of 1167 Mbps (867 Mbps[2] for 802.11ac, and 300 Mbps[2] for 802.11n) over the air. With Wireless AC technology, the DWL-6610AP provides high-performance connections over two bands, so wireless clients can stream media faster and farther than before using existing devices.

Centrally Managed

When working in conjunction with D-Link Unified Controllers, the DWL-6610AP can be centrally managed. This allows for a large number of APs to be deployed and managed easily and efficiently. Once the APs are discovered by the controller, the administrator can push configuration to them as a group, instead of doing so individually. Additionally, Radio Frequency (RF) resource management allows wireless coverage to be managed centrally, proving the best coverage possible for wireless clients.

Self-Configuring Cluster

For small businesses that need to deploy multiple APs but lack the resources for complex network management, the DWL-6610AP self-configuring cluster allows a small number of DWL-6610AP access points to be set to form a self-configuring cluster. Once the administrator configures one access point, the same configuration can then be applied to all remaining APs, making setting up your wireless business network a breeze.

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Performance Upgrade

The DWL-6610AP features an upgraded CPU, providing increased performance over its predecessor. The internal omnidirectional antenna extends its reach, eliminating dead spots and filling hard-to-reach places. Bandsteering technology enables the DWL-6610AP to balance the load between its two radios rather than forcing all users onto the 2.4 GHz band, allowing for smooth streaming of video, seamless browsing, and fast downloads for mobile devices. Airtime fairness ensures that equal airtime is given to each client, providing increased performance even if slower devices are connected.

Automatic RF Management

When access points are deployed in close proximity to each other, there may be interference between channels if RF management is not implemented. When a DWL-6610AP 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 on the same channel, the DWL-6610AP will automatically lower its transmission power[1]. When, for whatever reason, the nearby AP is no longer present, the DWL-6610AP will increase its transmission power to expand coverage.

Quality of Service

The DWL-6610AP supports 802.1p Quality of Service (QoS) for enhanced throughput and better performance of time-sensitive traffic like VoIP and streaming DSCP. The DWL-6610AP supports Wi-Fi Multimedia (WMM), so in the event of network congestion, time-sensitive traffic can be given priority ahead of other traffic. Furthermore, when a number of DWL-6610AP units are in close proximity to each other, an access point will refuse new association requests once its resources are fully utilised, allowing the association request to be picked up by a neighbouring unit, distributing the load over multiple APs.

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

Interfaces	• 802.11b/g/n 2.4 GHz wireless • 802.11ac/a/n 5 GHz wireless	• 10/100/1000BASE-T LAN (PoE) port
Antenna	• Internal omnidirectional antennas	• 4 dBi for 5 GHz, 4 dBi for 2.4 GHz

Functionality

Operating Frequency	• 2400 to 2483.5 MHz	• 5150 to 5850 MHz
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)
System Management	• Web-based user interface (HTTP/HTTPs) • Serial console (RJ-45)	• SNMP (v1/v2c/v3) • Telnet/SSH

Security

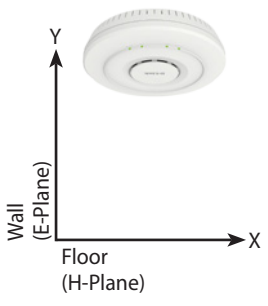
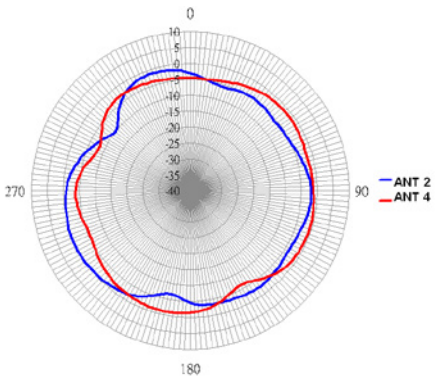
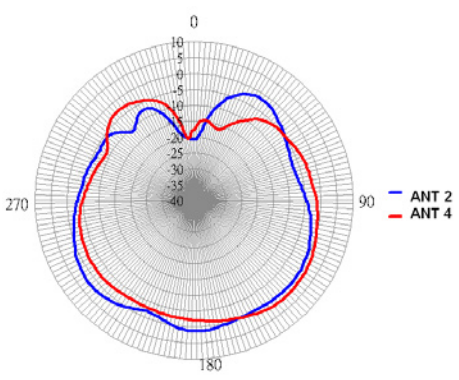
SSID Security	• Up to 32 SSIDs, 16 per radio • 802.1Q VLAN	• Station Isolation
Wireless Security	• WPA Personal/Enterprise	• AES and TKIP
Detection & Prevention	• Rogue and valid AP classification	
Authentication	• MAC address filtering	

Physical

Dimensions	• 205 x 39 mm (8.07 x 1.54 in.)	
Weight	• 0.476 kg (1.05 lbs)	
Power Supply	• 12 V/1.5 A external power adapter	• 802.3af PoE
Max Power Consumption	• 10.2 watts	
Enclosure	• Bottom cover – plastic • Top cover – plastic	• UL2043 certified chassis
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	• Storage: 5% to 95% non-condensing
Certifications	• CE, FCC, IC, cUL+UL, LVD, RCM, NCC, BSMI, UL2043	

Radio Patterns

2.4 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane
		

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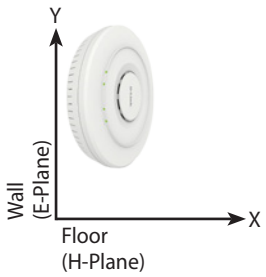
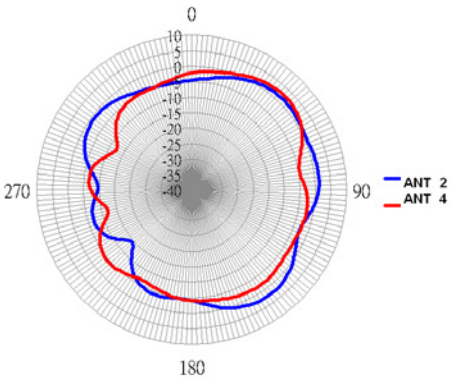
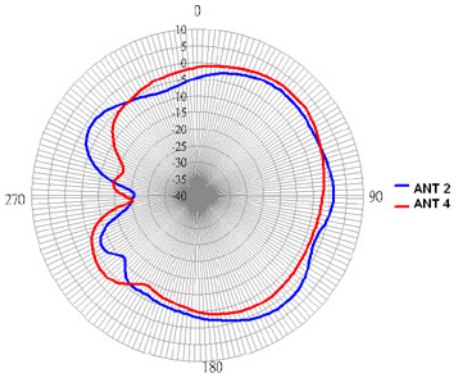
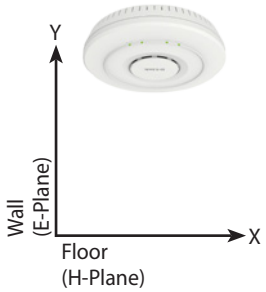
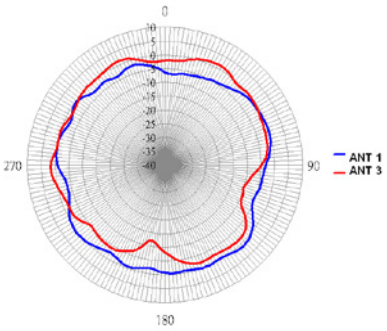
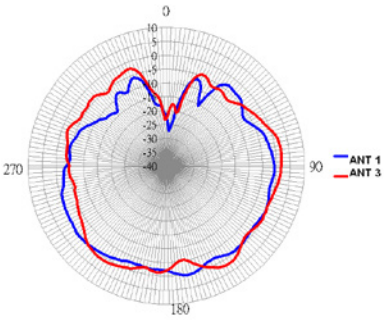
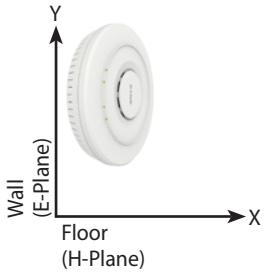
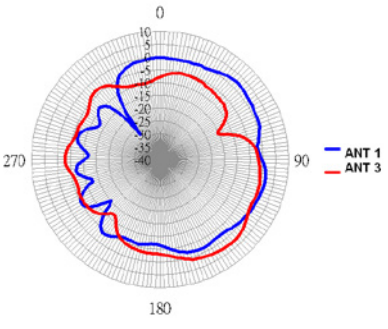
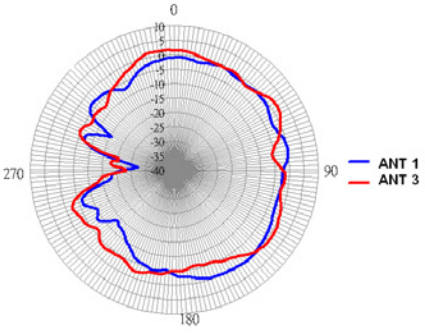
2.4 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane
		

5 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane
		

5 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane
		

[1] This feature is available when Unified AP is used in conjunction with D-Link's line of Unified Wireless Switches/controllers.
[2] Maximum wireless signal rate derived from IEEE standard 802.11 and 802.11ac 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. Environmental factors may adversely affect wireless signal range.

For more information: www.dlink.com

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