D-Link
Building Networks for People

Product Highlights

Next Generation Connectivity

Provides speeds up to 300 Mbps[2] for 802.11n, and 867 Mbps[2] for 802.11ac, allowing high-speed transfers and extra bandwidth for wireless clients

Power over Ethernet

Support for 802.3af allows the access point to be installed in locations without access to power outlets, reducing installation costs and maximizing flexibility

Versatile Management

Self-configuring cluster mode simplifies deployment of multiple access points, and Radio Frequency resource management improves signal coverage

DWL-3610AP

Selectable Dual-Band 802.11n/ac Unified Wireless Access Point

Features

Ideal for Business

- Self-configuring cluster feature
- Up to 16 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)

High-Performance Connectivity

- 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-3610AP Selectable Dual-Band 802.11n/ac Unified Wireless 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-3610AP allows you to deploy more devices and provide greater throughput for your wireless clients.

Centrally Managed

When working in conjunction with D-Link Unified Controllers, the DWL-3610AP 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-3610AP self-configuring cluster allows a small number of DWL-3610AP 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.

Performance Upgrade

The DWL-3610AP 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. A selectable radio mode allows the DWL-3610AP to work on either the 2.4 Ghz band or the 5 GHz band, providing speeds of up to 300 Mbps[2] for 802.11n, and 867 Mbps[2] for 802.11ac. Airtime fairness ensures that equal airtime is given to each client, providing increased performance even if slower devices are connected.

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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-3610AP 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 on the same channel, the DWL-3610AP will automatically lower its transmission power[1]. When, for whatever reason, the nearby AP is no longer present, the DWL-3610AP will increase its transmission power to expand coverage.

Quality of Service

The DWL-3610AP supports 802.1p Quality of Service (QoS) for enhanced throughput and better performance of time-sensitive traffic like VoIP and streaming DSCP. The DWL-3610AP 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-3610AP 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, distributing the load over multiple APs.

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	• 3 dBi for 5 GHz, 3 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 16 SSIDs • 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	• 160 x 45 mm (6.30 x 1.77 in.)	
Weight	• 0.26 kg (0.57 lbs)	
Power Supply	• 12 V/1 A external power adapter	• 802.3af PoE
Max Power Consumption	• 6.2 watts	
Enclosure	• Bottom cover – plastic • 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	• Storage: 5% to 95% non-condensing
Certifications	• CE • FCC • IC • cUL+UL • LVD	• RCM • NCC • BSMI

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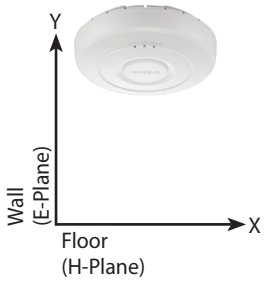
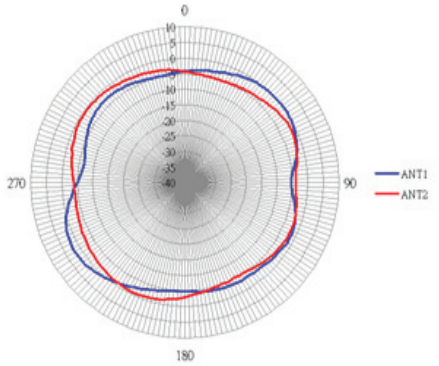
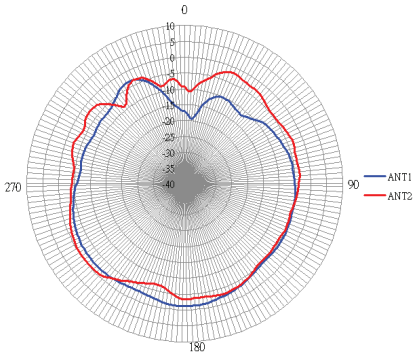
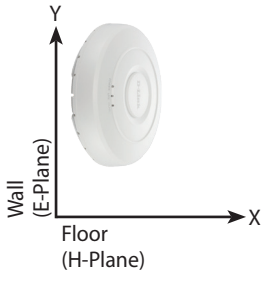
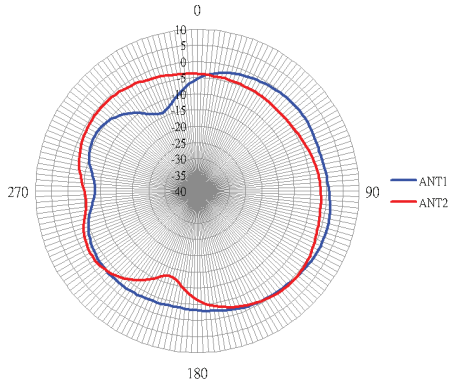
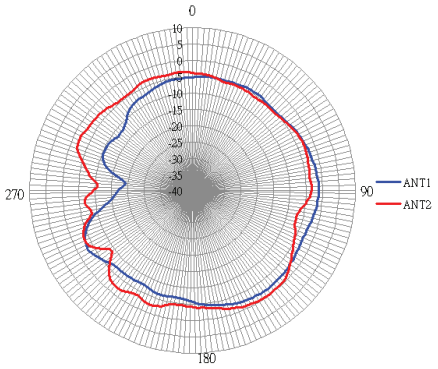
Radio Patterns

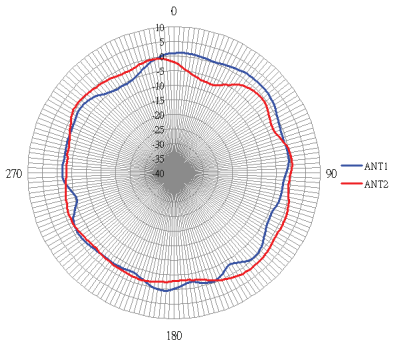
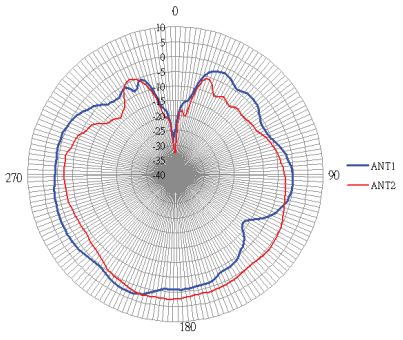
2.4 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane
		

2.4 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane
		

5 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane
		

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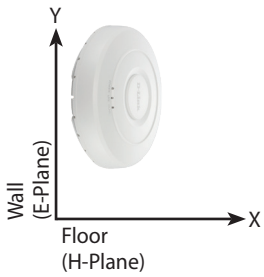
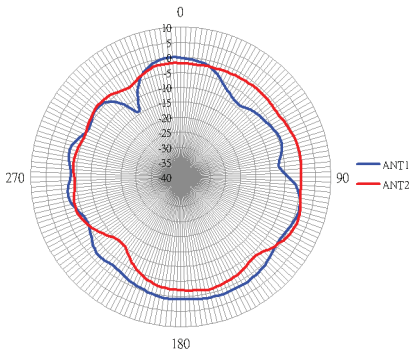
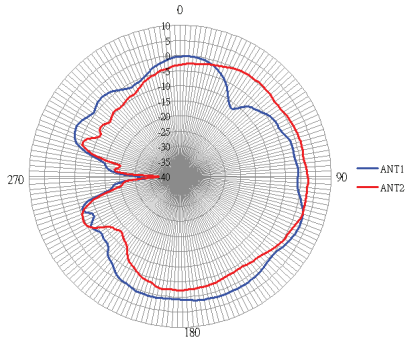
5 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane
		

Order Information

Part Number	*Description*
DWL-3610AP	Selectable Dual-Band 802.11n/ac Unified Wireless Access Point

[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 will adversely affect wireless signal range.

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