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 802.11ac devices and over 1 Gbps combined speed for reliable connections

Unparalleled Level of Performance

Experience smooth and stable performance with a powerful CPU, greater coverage with beamforming, and better managed traffic with bandsteering

Versatile Management

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

DWL-6610AP

Dual-Band 802.11n/ac Unified Wireless 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 in hard to reach locations

High Performance Connectivity

- Beamforming technology
- Bandsteering for efficient traffic management
- One Gigabit Ethernet LAN port
- UL2043 certified chassis (Plenum-rated SKU)
- Up to 8 DWL-6610AP units may form a self-configuring cluster

Trusted Security

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

The DWL-6610AP Dual-Band 802.11n/ac Unified Wireless Access Point is specially designed for small to medium enterprises, providing unparalleled bandwidth and flexibility for administrators looking to deploy a medium to large scale Wi-Fi network. Featuring the latest 802.11ac on its 5 GHz band, the DWL-6610AP brings you to the forefront of wireless technology.

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 (AC867 Mbps + N300 Mbps) over the air. Beamforming technology enables the DWL-6610AP to have even greater reach than its predecessor, allowing even more flexibility in any deployment scenario. With the 802.11n/ac technology, the DWL-6610AP provides the high performance over two bands, so wireless clients can stream media faster and farther than before using existing devices.

Centrally Manage your Wireless Network

When working in conjunction with D-Link Unified Switches/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 switch/controller, the administrator can push specific configuration sets onto them rather than having to do so individually. In addition, RF resource management and security are also managed centrally, 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-6610AP's self-configuring cluster feature offers the ideal solution. When a small number of DWL-6610APs 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.

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Upgraded for Superior Performance

The DWL-6610AP 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 forcing all users onto the 2.4 GHz band, allowing for smooth streaming of video, instant transmission of SMS and e-mail, and fast downloads 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-6610AP 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-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 for Increased Connectivity

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 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-6610AP 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	• 802.11b/g/n 2.4 GHz wireless • 802.11ac 5 GHz wireless • One 10/100/1000 LAN port • RJ45 console port	• Factory reset button • Power switch • Power connector
Antenna	• Internal omnidirectional antennas	• 6.5 dBi for 5 GHz, 5 dBi for 2.4 GHz
Power Method	• Powered by PoE or 12 V / 2 A	
Functionality		
Operating Channel	• 2.4 / 5 GHz • 11 channels for United States	• 13 channels for Europe • 13 channels for Japan
Web-based User Interface	• HTTP/HTTPS	
Command Line	• RJ45 Serial Console • Telnet/ SSH	• SNMP
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	

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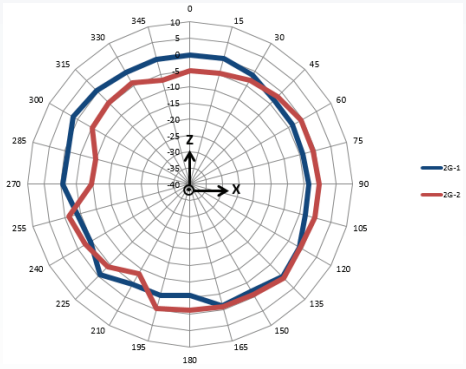
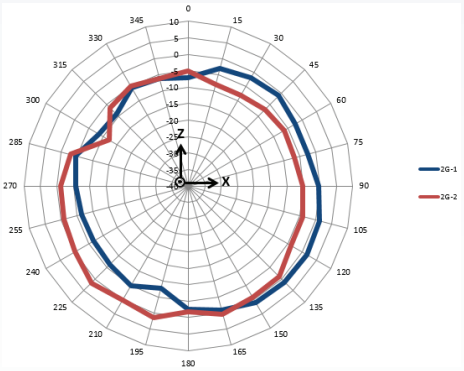
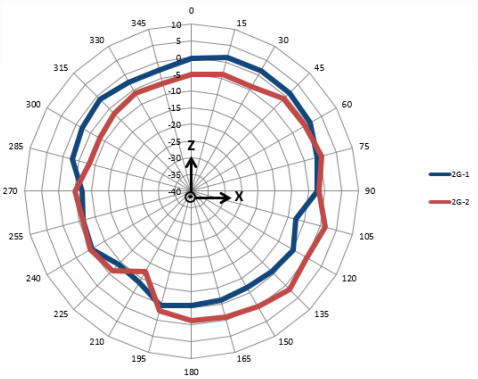
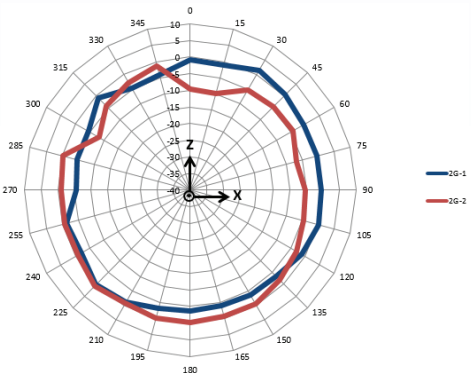
Physical		
Dimensions	• 158.79 x 69.39 mm w/o bracket (6.25 x 2.73 in.)	
Weight	• 500 grams (1.1 lbs)	
Power Adapter	• Input: 100 to 240 V AC	• Output: 12 V DC, 2 A
Max Power Consumption	• 16.6 W	
Power over Ethernet	• 10/100/1000 Mbps PoE (802.3at) input	
Enclosure	• Bottom cover – plastic • Top cover – 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	
Certifications	• CE • EN 301 893 V1.7.1 (2012-06) (DFS/TPC) • EN 300 328 V1.8.1 (2012-06) • FCC • IC • cUL	• LVD • UL2043 (for plenum-rated SKU only) • C-Tick • BSMI • NCC • Wi-Fi

Radio Patterns

2.4 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane
		

2.4 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane
		

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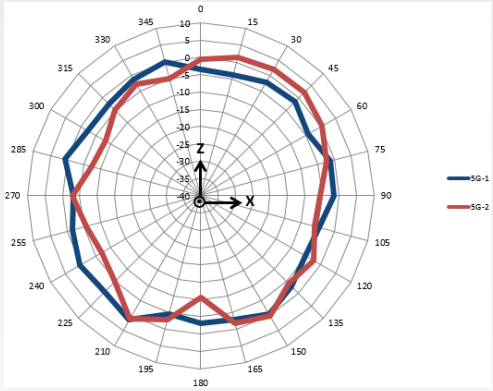
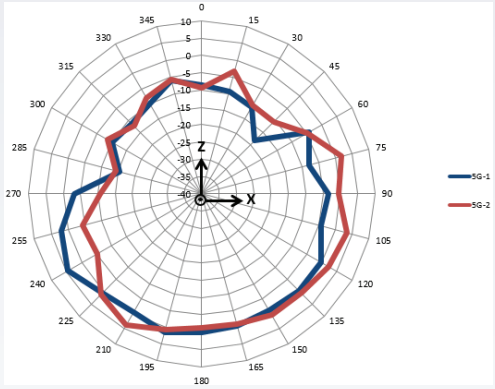
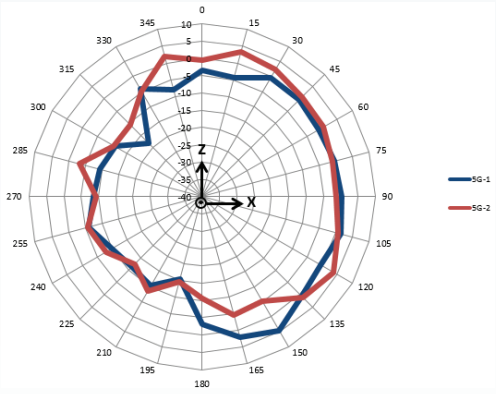
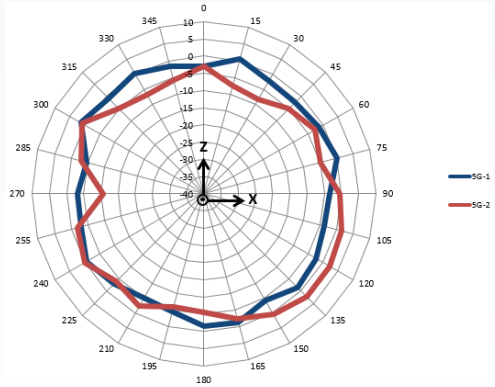
5 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane
		

5 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane
		

Order Information

Part Number	*Description*
DWL-6610AP	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.

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