D-Link
Building Networks for People

## Product Highlights

Enjoy High-performance Wireless Connectivity

Harness the power of IEEE 802.11ac Wave 2 wireless and experience wireless speeds of up to 1300 Mbps[1], perfect for high-demand business applications

Strong Security and Authentication Features

Maintain a highly secure network with a range of features including WPA/WPA2, wireless LAN segmentation, and VLAN support

Flexible Operation

Configure to use as an access point, a Wireless Distribution System (WDS), a WDS with access point, or a wireless client




# DAP-2610

# Wireless AC1300 Wave 2 Dual-Band PoE Access Point

## Features

High-performance Connectivity

- IEEE 802.11ac Wave 2 wireless[1]
- Up to 1300 Mbps[1] speed when operating in concurrent dual band
- Gigabit LAN port

Extensive Management

- Web, SSL, SSH and Telnet management
- SNMP v1, v2c, v3
- D-Link Central Wi-Fi Manager support for additional configuration options
- AP Array utility support

Trusted Security Features

- WPA/WPA2 Personal/Enterprise
- 64/128-bit WEP
- MAC filter and WLAN partitioning
- Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal

Convenient Installation

- Small form factor design for easy placement
- Supports 802.3af Power over Ethernet for remote installation
- Wall and ceiling mountable[2]

The DAP-2610 Wireless AC1300 Wave 2 Dual-Band PoE Access Point is designed to support small to medium business or enterprise environments by providing network administrators with secure and manageable dual-band wireless LAN options, and utilizing the cutting-edge speed of Wireless AC.

## Blazing Wireless Wave 2 AC Performance

The DAP-2610 delivers reliable, high-speed wireless performance using the latest 802.11ac Wave 2 standard with maximum wireless signal rates of up to 400 Mbps (256-QAM) over the 2.4 GHz band, and 900 Mbps over the 5 GHz band[1]. This, coupled with support for the Wi-Fi Multimedia™ (WMM) Quality of Service (QoS) feature, makes it an ideal access point for audio, video, and voice applications. When enabled, QoS allows the DAP-2610 to automatically prioritize network traffic according to the level of interactive streaming, such as HD movies or VoIP. The QoS feature can be adjusted through the DAP-2610 web GUI using a drop-down menu to select customized priority rules. Additionally, the DAP-2610 supports load balancing to ensure maximum performance by limiting the maximum number of users per access point.

## Versatile Access Point Functionality

The DAP-2610 allows network administrators to deploy a highly manageable and extremely robust simultaneous dual-band wireless network. The DAP-2610 can provide optimal wireless coverage over either the 2.4 GHz (802.11b, 802.11g, and 802.11n) or the 5 GHz (802.11a, 802.11n, and 802.11ac) bands. The DAP-2610 can be ceiling mounted, wall mounted, or placed on a desktop to meet any wireless demands. For advanced installations, the DAP-2610 has integrated 802.3af Power over Ethernet (PoE) support, allowing the device to be installed in areas where power outlets are not readily available. With careful configurations, roaming will be possible for all clients for increased mobility.

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## Security

To help maintain a secure wireless network, the DAP-2610 supports both Personal and Enterprise versions of WPA and WPA2 (802.11i), with support for RADIUS server backend and a built-in internal RADIUS server allowing users to create their accounts within the device itself. This access point also includes MAC address filtering, wireless LAN segmentation, SSID broadcast disable, rogue AP detection, and wireless broadcast scheduling for further protection of your wireless network. The DAP-2610 includes support for up to eight VLANs per band, allowing multiple SSIDs to be implemented and further segment users on the network. It also includes a wireless client isolation mechanism, which limits direct client-to-client communication. Additionally, the DAP-2610 supports Network Access Protection (NAP), a feature of Windows Server® 2008, allowing network administrators to define multiple levels of network access based on individual client's needs.

## Multiple Operation Modes

To maximize total return on investment, the DAP-2610 can be configured to optimize network performance based on any one of its multiple operation modes: Access Point, Wireless Distribution System (WDS), a WDS with Access Point, and Wireless Client. With WDS support, network administrators can set up multiple DAP-2610s throughout a facility and configure them to bridge with one another, while also providing network access to individual clients. The DAP-2610 also features advanced features such as load balancing and redundancy, for fail-safe wireless connectivity.

## Network Management

Network administrators have multiple options for managing the DAP-2610, including Web (HTTP), Secure Socket Layer (SSL), Secure Shell (SSH), and Telnet. For advanced network management, administrators can use the D-Link Central Wi-Fi Manager to configure and manage multiple access points from a single location. In addition, the D-Link Central Wi-Fi Manager provides network administrators with the means of conducting regular maintenance checks remotely, eliminating the need for sending out personnel to physically verify proper operation. Central Wi-Fi Manager will enable the administrator with the ability to configurate the IP address, reboot the AP, change the management password, batch setup or upgrade the firmware of the AP, and display the realtime status of all managed APs. The DAP-2610 also has a wireless scheduling feature, turning off wireless functionality when it is not needed to save power. With simultaneous dual-band functionality, PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the DAP-2610 provides small to medium business and enterprise environments with a business-class solution for deploying a wireless network.

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# DAP-2610
## Wireless AC1300 Wave 2 Dual-Band PoE Access Point

## Technical Specifications

### General

| | | |
|---|---|---|
| Device Interfaces | • 1 IEEE 802.11a/b/g/n/ac Wave 2 wireless[1] | • 1 Gigabit LAN (supports PoE) |
| Standards | • IEEE 802.11a/b/g/n/ac[1]<br>• IEEE 802.3u/ab | • IEEE 802.3az Energy Efficient Ethernet (EEE)<br>• IEEE 802.3af Power over Ethernet |
| Antennas | • 2 internal dual-band 3 dBi omni antennas | |
| Operating Frequency[3] | • 2.4 GHz band: 2.4 to 2.4835 GHz | • 5 GHz band: 5.15 to 5.35 GHz, 5.47 to 5.85 GHz |
| Maximum Output Power<br>(Maximum Sensitivity: -100dBm) | • 26 dBm for 2.4 GHz | • 26 dBm for 5 GHz |
| Data Signal Rate<br>(Support for auto-fallback) | • 2.4 GHz<br>  • Up to 400 Mbps[1] | • 5 GHz<br>  • Up to 867 Mbps[1] |

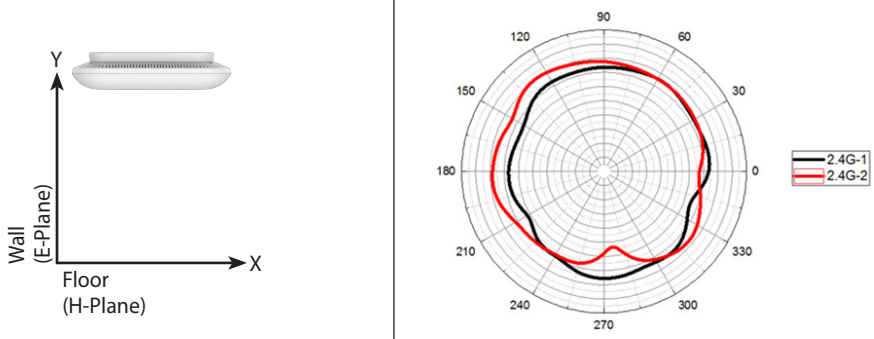
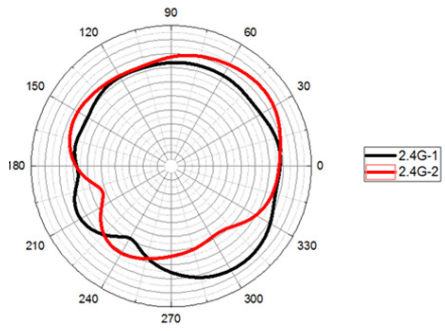
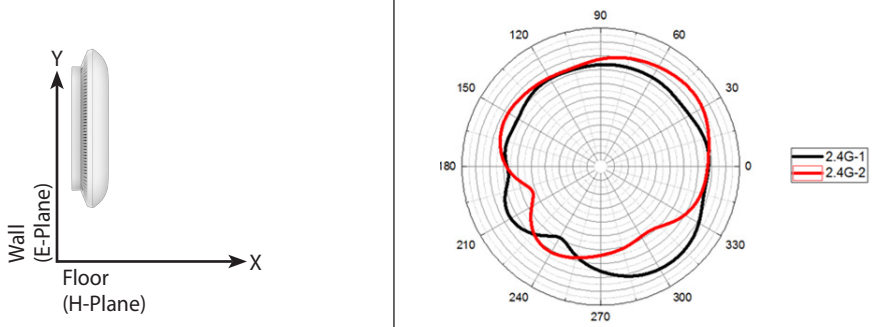
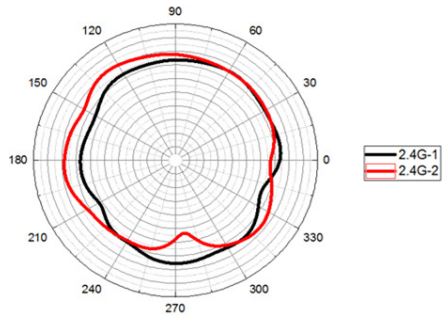
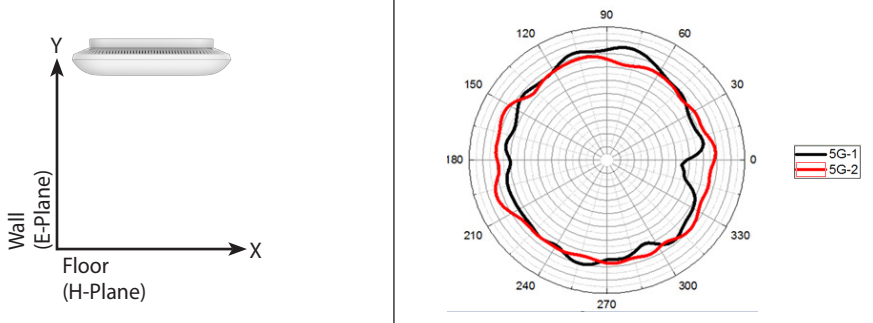
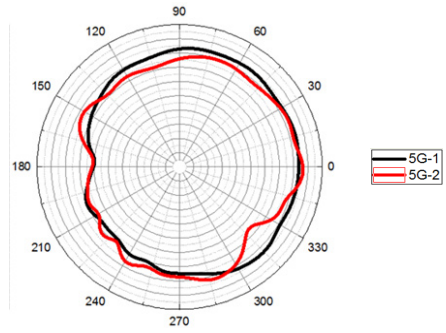
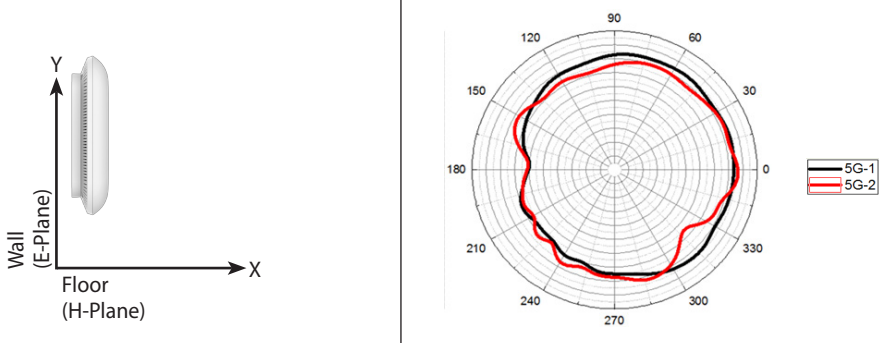
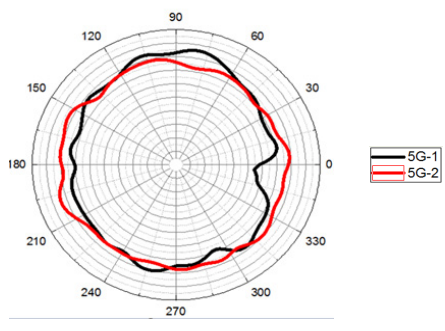
### Functionality

| | | |
|---|---|---|
| Security | • WPA-Personal/Enterprise<br>• WPA2-Personal/Enterprise<br>• WEP 64/128-bit encryption<br>• 802.1X | • SSID broadcast enable/disable<br>• MAC Filtering (ACL)<br>• Hidden default management account<br>• Internal/External RADIUS server |
| Network Management | • Telnet<br>• Secure Telnet (SSH)<br>• Web (HTTP/HTTPS)<br>• Secure Socket Layer (SSL)<br>• IPv4/IPv6 | • Traffic control<br>• SNMP v1/v2c/v3<br>• D-Link Central Wi-Fi Manager<br>• AP Array<br>• Syslog |
| LEDs | • Power/status | |

### Physical

| | | |
|---|---|---|
| Dimensions | • 170 x 170 x 28 mm | |
| Weight | • 314 g without mounting base | • 370.6 g with mounting base |
| Power Supply | • External power adapter: 12 V/1 A | • IEEE 802.3af PoE |
| Maximum Power Consumption | • 12 W | |
| 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 |
| Meantime Between Failure (MTBF) | • > 30,000 hours | |
| Certifications | • FCC<br>• CE<br>• NCC/BSMI [4] | • UL<br>• Wi-Fi® Certified |

## Antenna Pattern

| Orientation | H-Plane | E-Plane |
|---|---|---|
| 2.4 GHz Ceiling Mounted |  |  |
| 2.4 GHz Wall Mounted |  |  |
| 5 GHz Ceiling Mounted |  |  |
| 5 GHz Wall Mounted |  |  |

# DAP-2610

## Wireless AC1300 Wave 2 Dual-Band PoE Access Point

| Order Information | |
|---|---|
| Part Number | Description |
| DAP-2610 | Wireless AC1300 Wave 2 Dual-Band PoE Access Point |

[1] 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.
[2] This unit is designed for indoor environments, you might violate local regulatory requirements by deploying this unit in outdoor environments.
[3] Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions. The DAP-2610 may not support the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz frequency ranges in certain regions.
[4] For the EU region, this product is compliant with CE regulations and operates within the following frequency ranges: 2.4 - 2.4835 GHz, 5.150 - 5.250 GHz, 5.250 - 5.350 GHz, and 5.470 - 5.750 GHz.

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