

Product Highlights

Next Generation Connectivity

Harness the power of Wireless AC and take advantage of combined wireless speeds of up to 1200 Mbps, perfect for high demand business applications

Unparalleled Levels of Performance

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

Versatile Management

Used as a standalone wireless access point, self-configuring cluster or managed centrally via a D-Link Wireless Controller or Unified Switch



DWL-6610APE

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)
- 4 external detachable dual-band omnidirectional antennas
- UL2043 certified chassis

High-Performance Connectivity

- Band steering 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-6610APE 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-6610APE allows you to deploy more devices and provide greater throughput for your wireless clients.

Greater Reach and Flexibility

The DWL-6610APE provides unparalleled connectivity by using a 2 x 2 antenna implementation with 4 detachable external omnidirectional antennas, allowing high combined data rates of 1167 Mbps² (867 Mbps for 802.11ac, and 300 Mbps for 802.11n) over the air. With dual-band technology, the DWL-6610APE provides high-performance connections over two bands, so wireless clients can stream media faster and further than before using existing devices.

Centrally Managed

When working in conjunction with D-Link Unified Controllers, the DWL-6610APE 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-6610APE self-configuring cluster allows a small number of DWL-6610APE 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.

Wireless AC1200 Dual-Band Unified Access Point

Performance Upgrade

The DWL-6610APE features an upgraded CPU, providing increased performance over its predecessor. The 4 external omnidirectional antennas extend the range of the wireless signal, eliminating dead spots and filling hard-to-reach places. Band steering technology enables the DWL-6610APE 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-6610APE 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-6610APE will automatically lower its transmission power¹. When, for whatever reason, the nearby AP is no longer present, the DWL-6610APE will increase its transmission power to expand coverage.

Quality of Service

The DWL-6610APE supports 802.1p Quality of Service (QoS) for enhanced throughput and better performance of time-sensitive traffic like VoIP and video streaming. The DWL-6610APE 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-6610APE 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.



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.

Technical Specifications

General

Interfaces	<ul style="list-style-type: none"> • 802.11b/g/n 2.4 GHz wireless • 802.11ac/a/n 5 GHz wireless 	<ul style="list-style-type: none"> • 10/100/1000BASE-T LAN (PoE) port
Antenna	<ul style="list-style-type: none"> • 4 x detachable external dual-band omnidirectional antennas 	<ul style="list-style-type: none"> • 4 dBi for 5 GHz, 3 dBi for 2.4 GHz

Functionality

Operating Frequency	<ul style="list-style-type: none"> • 2400 to 2483.5 MHz 	<ul style="list-style-type: none"> • 5150 to 5850 MHz
Operating Channels	<ul style="list-style-type: none"> • 1 to 13 channels for 2.4 GHz band (per country code) 	<ul style="list-style-type: none"> • 36 to 165 channels for 5 GHz band (per country code)
System Management	<ul style="list-style-type: none"> • Web-based user interface (HTTP/HTTPs) • Serial console (RJ-45) 	<ul style="list-style-type: none"> • SNMP (v1/v2c/v3) • Telnet/SSH

Security

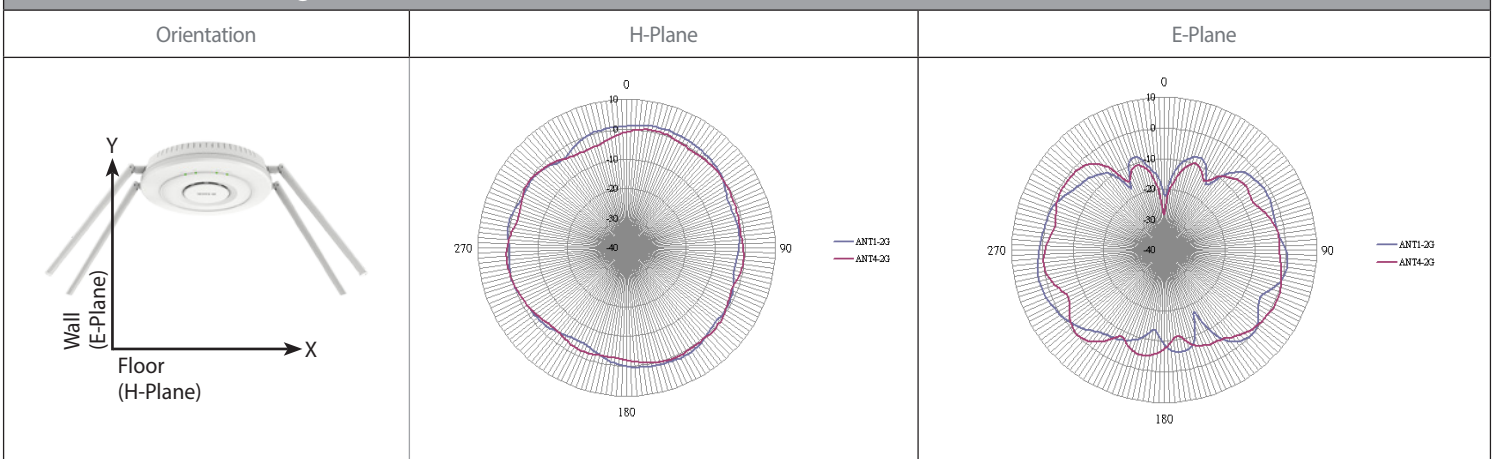
SSID Security	<ul style="list-style-type: none"> • Up to 32 SSIDs, 16 per radio • 802.1Q VLAN 	<ul style="list-style-type: none"> • Station Isolation
Wireless Security	<ul style="list-style-type: none"> • WPA Personal/Enterprise 	<ul style="list-style-type: none"> • AES and TKIP
Detection & Prevention	<ul style="list-style-type: none"> • Rogue and valid AP classification 	
Authentication	<ul style="list-style-type: none"> • MAC address filtering 	

Physical

Dimensions	<ul style="list-style-type: none"> • 205 x 39 mm (8.07 x 1.54 in.) 	
Weight	<ul style="list-style-type: none"> • 0.476 kg (1.05 lbs) 	
Power Supply	<ul style="list-style-type: none"> • 12 V/1.5 A external power adapter (not included) 	<ul style="list-style-type: none"> • 802.3af PoE
Max Power Consumption	<ul style="list-style-type: none"> • 10.2 watts 	
Enclosure	<ul style="list-style-type: none"> • Bottom cover – plastic • Top cover – plastic 	<ul style="list-style-type: none"> • UL2043 certified chassis
Temperature	<ul style="list-style-type: none"> • Operating: 0 to 40 °C (32 to 104 °F) 	<ul style="list-style-type: none"> • Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	<ul style="list-style-type: none"> • Operating: 10% to 90% non-condensing 	<ul style="list-style-type: none"> • Storage: 5% to 95% non-condensing
Certifications	<ul style="list-style-type: none"> • CE • FCC • IC • cUL+UL • LVD 	<ul style="list-style-type: none"> • RCM • NCC • BSMI • UL2043

Radio Patterns

2.4 GHz Antenna Ceiling Mounted



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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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Updated April 2017