D-Link®
Building Networks for People

Wireless AC

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

Enhanced Level of Performance

Experience faster and stable performance as well greater coverage with beamforming, and better managed traffic with band steering

Unparalleled Flexibility and Scalability

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

DWL-6610AP

Wireless AC1200 Dual-Band Unified 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
- Band steering for efficient traffic management
- Gigabit Ethernet LAN port
- Plenum-rated UL2043 certified chassis
- 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 Wireless AC1200 Dual-Band Unified 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 wireless standard, the DWL-6610AP brings you to the forefront of wireless technology.

Greater Reach and Flexibility

The DWL-6610AP delivers reliable, high-speed wireless performance using the latest 802.11ac standards with maximum wireless signal rates of up to 300 Mbps over the 2.4 GHz band and 867 Mbps over the 5 GHz band[1]. The high gain internal omnidirectional antenna increases its reach, eliminating dead spots and filling hard to reach places. Beamforming technology enables the DWL-6610AP to have even greater reach than its predecessor, allowing even more flexibility in any deployment scenario.

With dual-band technology, the DWL-6610AP provides wireless connectivity over two radio bands. Band steering feature 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.

Centrally Manage your Wireless Network

When working in conjunction with D-Link Wireless Controllers and Unified Switches, 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 Wireless Controller or Unified Switch, 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 pre-emptively 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.

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 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 operating on the same channel, the DWL-6610AP will automatically lower its transmission power[2]. Conversely, if a nearby AP fails or is no longer present for whatever reason, 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 utilised, allowing the association request to be picked up by a neighbouring unit. This feature ensures that no single AP is overburdened while others nearby sit idle.

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.

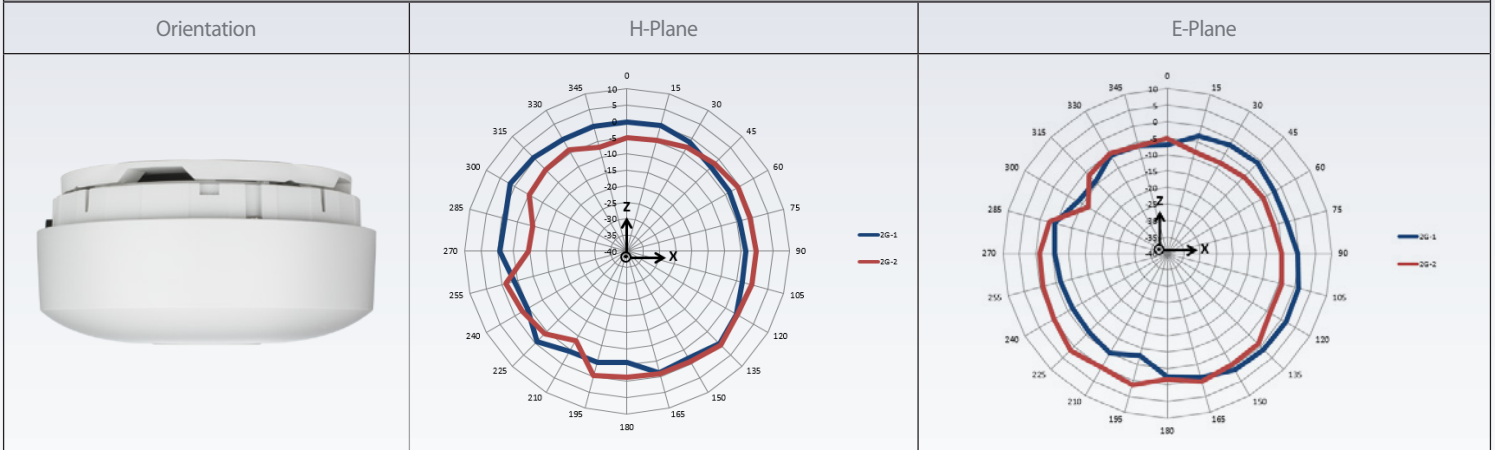### D-Link Assist Bronze - for guaranteed response on the next business day

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.
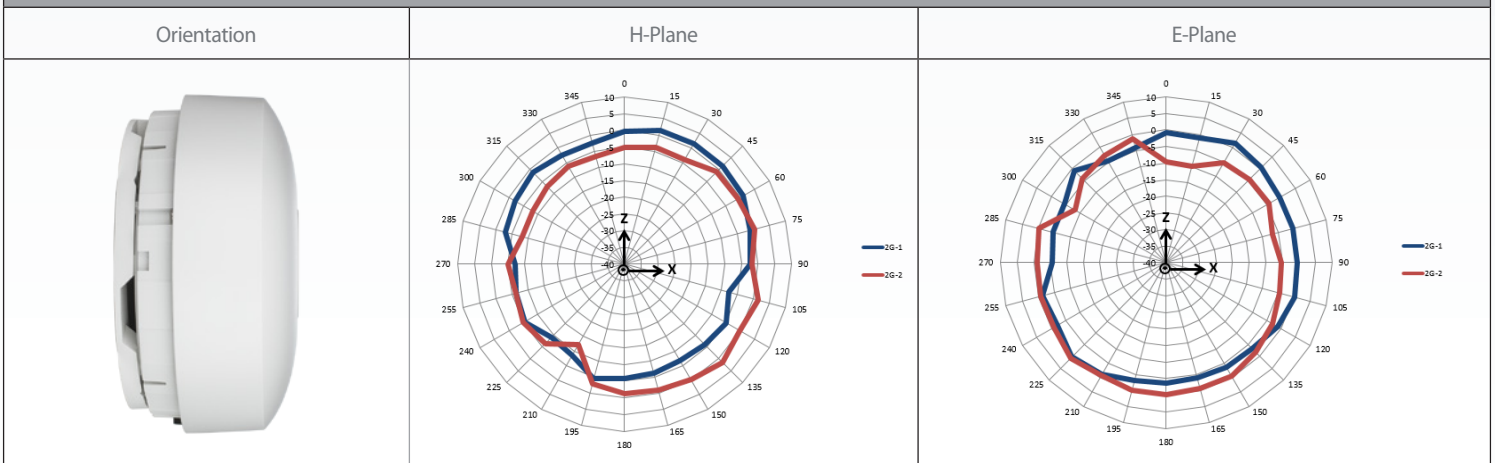
Technical Specifications

General

Interfaces	• 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
LEDs	• Power • LAN	• 2.4 GHz • 5 GHz
Wireless Frequency	• 2.4 GHz band: 2.4-2.4835 GHz	• 5 GHz band: 5.15-5.35 GHz, 5.47-5.825 GHz
Data Transfer Rate	• 802.11ac: 433 Mbps-867 Mbps • 802.11n: 6.5 Mbps-300 Mbps • 802.11g: 54, 48, 36, 24, 12, 9, and 6 Mbps	• 802.11b: 11, 5.5, 2, and 1 Mbps • 802.11a: 54, 48, 36, 24, 12, 9, and 6 Mbps
Operation Channel	• 2.4 GHz • 13 channels	• 5 GHz • 19 non-overlapping channels
Antenna	• Internal omnidirectional antennas	• 6.5 dBi for 5 GHz, 5 dBi for 2.4 GHz

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	

Network Management

Operational Modes	• Standalone • AP Array	• Managed (with DWS-4026, DWS-3160-24TC, DWS-3160-24PC, DWC-1000 or DWC-2000)
Web-based User Interface	• HTTP/HTTPS	
Command Line	• RJ45 Serial Console • Telnet/SSH	• SNMP

Physical

Dimensions	• 158.8 x 158.8 x 69.4 mm w/o bracket	
Weight	• 500 grams	
Power Adapter (not included)	• 12 V DC, 2 A	
Max Power Consumption	• 16.6 W	
Power over Ethernet	• 802.3at PoE+	
Enclosure	• Bottom cover – plastic • Top cover – plastic	• UL2043 certified chassis
Temperature	• Operating: 0 to 40 °C	• Storage: -20 to 65 °C
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 • C-Tick • BSMI • NCC • Wi-Fi

Radio Patterns
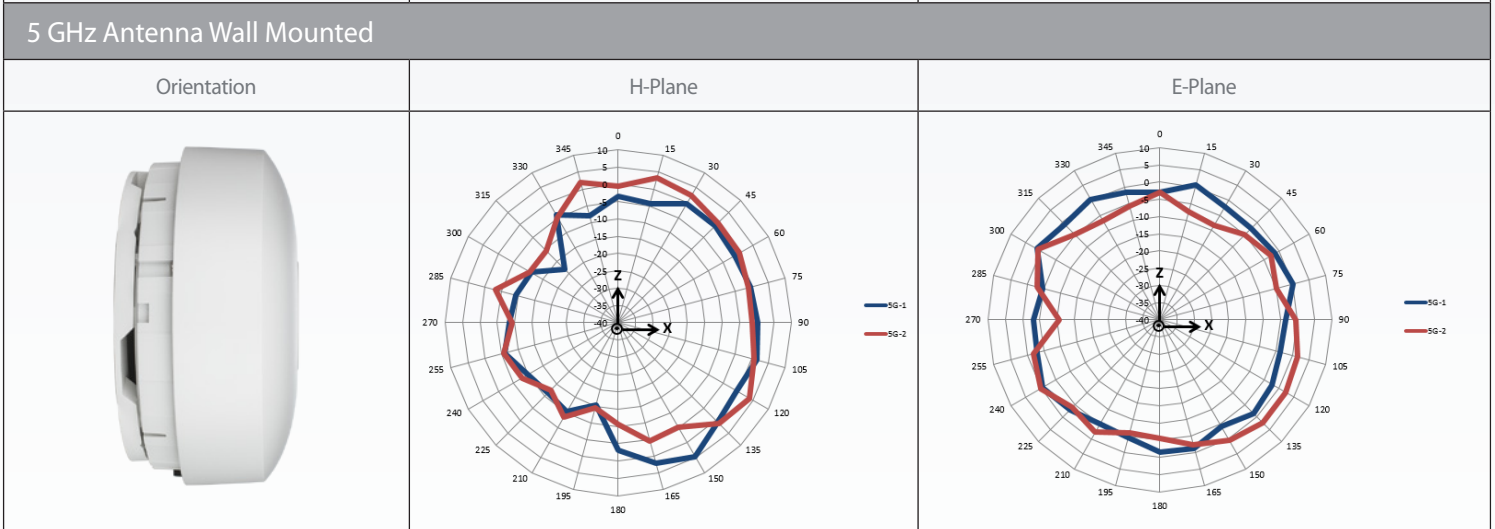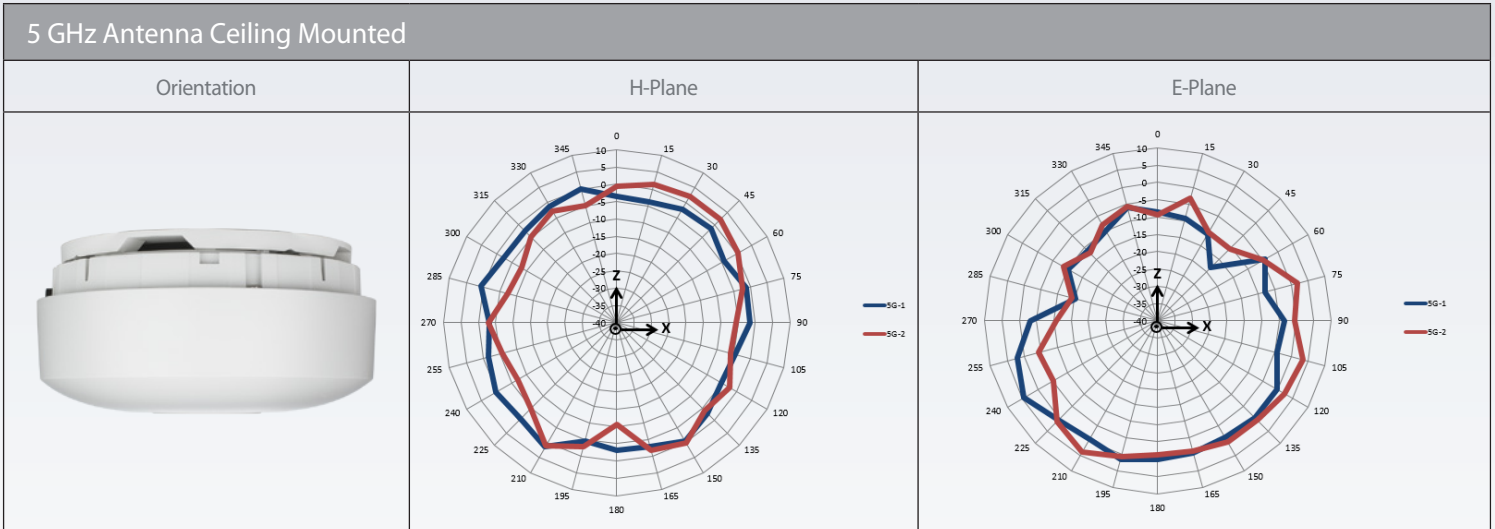
2.4 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane

2.4 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane

5 GHz Antenna Ceiling Mounted

Orientation	H-Plane	E-Plane

5 GHz Antenna Wall Mounted

Orientation	H-Plane	E-Plane

[1] Maximum wireless signal rate as specified by IEEE 802.11ac standard. Actual data throughput will vary. Network and other environmental factors, including volume of network traffic, building materials, and nearby radio interference may lower actual data throughput.
[2] This feature is available when Unified AP is used in conjunction with D-Link's line of Wireless Controllers and Unified Switches.

For more information: www.dlink.com

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