

Product Highlights

Flexible Wi-Fi Access

5 GHz directional high-gain antennas deliver extended coverage via WDS bridging connections and 2.4 GHz omnidirectional antennas provide local Wi-Fi access

Unparalleled Flexibility and Scalability

Can be used as a standalone wireless access point as well as clustered and managed centrally via a D-Link Wireless Controller or Unified Switch

Simplicity

An all-in-one plastic enclosure with pole-mount design simplifies outdoor deployment and a remote reset button via a PoE injector for hassle-free reboots



DWL-6700AP

Wireless Dual-Band Outdoor Unified Access Point

Features

Ideal for Business

- Blazing wireless performance of up to 300 Mbps¹ network throughput
- Up to 8 virtual access points may be created from a single device
- Automatic load-balancing among neighbouring access points
- Flexible QoS with WMM

Convenient Installation

- 5 GHz Wi-Fi Strength Metre for WDS
- Pole mount design
- IP55-rated weatherproof enclosure
- Remote Reset Button
- Power Over Ethernet (PoE)² enables installation in hard-to-reach locations

Trusted Security

- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- MAC address filtering

Compatible with

- DWC-1000/DWC-2000 Wireless Controllers
- DWS-3160/DWS-4026 Unified Switches

The DWL-6700AP Wireless Dual-Band Outdoor Unified Access Point is an access point specially designed for medium distance wireless network bridging services, providing WDS/backhauling networking applications on its 5 GHz band. Featuring the 5 GHz 8 dBi MIMO directional patch antenna, the DWL-6700AP provides up to 1.5km wireless bridging distance. With WDS support, network administrators can set up multiple DWL-6700APs throughout a facility and configure them to bridge with one another using the 5 GHz band while also providing network access to individual clients on the 2.4GHz band.

Enhanced Performance

The DWL-6700AP delivers reliable wireless performance with maximum wireless signal rates of up to 300 Mbps in both the 2.4 GHz and 5 GHz mode. Support for Wi-Fi Multimedia (WMM) and Quality of Service (QoS) feature makes the DWL-6700AP an ideal Access Point to prioritise audio, video, and voice applications. In addition, the load balancing feature ensures maximum performance in the wireless environment.

Security

The DWL-6700AP supports the latest standards in Wi-Fi security, including WPA and WPA2. In addition, the DWL-6700AP supports up to 4 Virtual Access Points (VAP) per radio, for a total of 8VAPs, which allows the administrator to assign different access privileges to different groups of users. When Station Isolation is enabled, the AP blocks communication between wireless clients on the same radio and VAP. When used together with a D-Link Wireless Controller or Unified Switch, wireless network security can be enhanced further.

Wireless Dual-Band Outdoor Unified Access Point

Centrally Manage your Wireless Network

When working in conjunction with D-Link Unified Switches/Wireless Controllers, the DWL-6700AP can be centrally managed. This allows 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 one by one. In addition, RF resource management and security are also managed centrally, thus allowing the administrator to pre-emptively identify potential deficiencies and weaknesses in the network.

Wi-Fi Strength LEDs and Remote Reset Button

The visual 5 GHz signal strength LEDs provides simple indicators to display the signal strength of the WDS link. Network administrators can see the signal strength quickly and clearly, even if the two APs are over a kilometre away from each other. The additional remote reset button on the included PoE injector allows the DWL-6700AP to be hard reset without the need to physically access the device itself.

Quality of Service for Increased Connectivity

The DWL-6700AP supports 802.1p Quality of Service (QoS) for enhanced throughput and better performance of time-sensitive traffic like VoIP and streaming DSCP. The DWL-6700AP 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-6700AP 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.

Convenient Installation

With an embedded antenna and a simple housing, the DWL-6700AP can be installed on a pole. Enclosed in a IP-55 rated weatherproof housing as well as an operating range between -30°C to 50°C, the DWL-6700AP is protected against exposure to heat and cold as well as rain. For easy installation, it has integrated Power over Ethernet (PoE) support and includes PoE injector, allowing installation of this device in areas where power outlets are not readily available.



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.

Wireless Dual-Band Outdoor Unified Access Point

Technical Specifications

General

Interfaces	<ul style="list-style-type: none"> • 802.11a / b / g / n • Two 10/100 LAN ports (PoE in from either LAN1 or LAN2) 	<ul style="list-style-type: none"> • Factory reset button
Wireless Frequency	<ul style="list-style-type: none"> • 2.4 GHz band: 2.4 GHz-2.4835 GHz 	<ul style="list-style-type: none"> • 5 GHz band: 5.15-5.25GHz, 5.25-5.35GHz, 5.470-5.725GHz, 5.725-5.825GHz
Data Transfer Rate	<ul style="list-style-type: none"> • 802.11n: 6.5 Mbps-300 Mbps • 802.11a/g: 54, 48, 36, 24, 12, 9, and 6 Mbps 	<ul style="list-style-type: none"> • 802.11b: 11, 5.5, 2, and 1 Mbps
Antenna	<ul style="list-style-type: none"> • 5 Ghz: Two integrated 8 dBi directional antennas 	<ul style="list-style-type: none"> • 2.4 GHz: Two integrated 3 dBi omnidirectional antennas
Power Method	<ul style="list-style-type: none"> • Powered by PoE² only (from either LAN1 or LAN2, non-standard PoE 24 V / 1 A) 	

Functionality

Operating Channel	<ul style="list-style-type: none"> • 2.4 GHz - 13 channels 	<ul style="list-style-type: none"> • 5 GHz - 19 non-overlapping channels
Web-based User Interface	<ul style="list-style-type: none"> • HTTP / HTTPS 	
Compatible Wireless Controllers/Unified Switches	<ul style="list-style-type: none"> • DWC-1000 • DWC-2000 	<ul style="list-style-type: none"> • DWS-3160 • DWS-4026

Security

SSID Security	<ul style="list-style-type: none"> • Up to 8 SSIDs, 4 per radio • 802.1Q VLAN 	<ul style="list-style-type: none"> • Station Isolation
Wireless Security	<ul style="list-style-type: none"> • WPA-Personal/Enterprise • WPA2-Personal/Enterprise 	<ul style="list-style-type: none"> • AES and TKIP
Authentication	<ul style="list-style-type: none"> • MAC Address Filtering 	<ul style="list-style-type: none"> • RADIUS

Physical

Dimensions	<ul style="list-style-type: none"> • 280 x 115 x 50 mm (11.02 x 4.53 x 1.97 in.) 	
Weight	<ul style="list-style-type: none"> • 495 grams (1.09 lbs) 	
Power Adapter (PoE injector)	<ul style="list-style-type: none"> • Input: 100 to 240 V AC 	<ul style="list-style-type: none"> • Output: 24 V DC, 1 A
Power over Ethernet ²	<ul style="list-style-type: none"> • 10 / 100 Mbps PoE (from either LAN1 or LAN2, non-standard PoE 24 V / 1 A) 	
Enclosure	<ul style="list-style-type: none"> • Plastic housing 	<ul style="list-style-type: none"> • IP-55 rated
Temperature	<ul style="list-style-type: none"> • Operating: -30 to 50 °C (-22 to 122 °F) 	<ul style="list-style-type: none"> • Storage: -30 to 65 °C (-22 to 149 °F)
Humidity	<ul style="list-style-type: none"> • Operating: 10% to 90% non-condensing 	
Certifications	<ul style="list-style-type: none"> • ESD protection: 4 KV • Surge protection: 6 KV • CE • EN 301 893 V1.7.1 (2012-06) (DFS/TPC) • EN 300 328 V1.8.1 (2012-06) • FCC • IC 	<ul style="list-style-type: none"> • cUL • LVD • C-Tick • NCC • Wi-Fi • TELEC

¹ 300 Mbps is the maximum wireless signal rate as specified by the IEEE 802.11n standard. Actual data throughput will vary. The network and other factors, including volume of network traffic, building materials, and nearby radio interference may lower actual data throughput.

² Non-standard PoE 24V / 1A.

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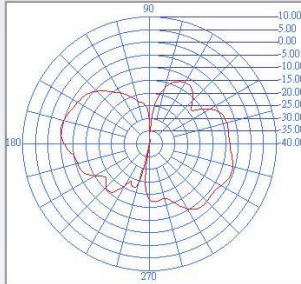
Radio Patterns

2.4 GHz Antenna 1

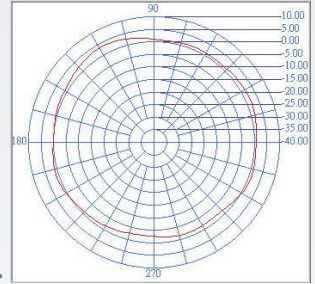
Orientation



H-Plane

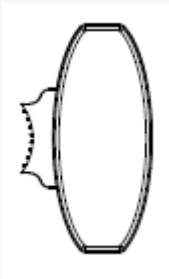


E-Plane

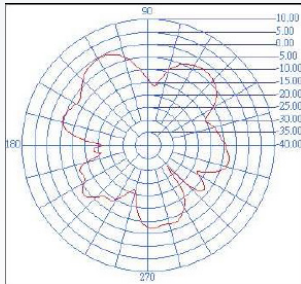


2.4 GHz Antenna 2

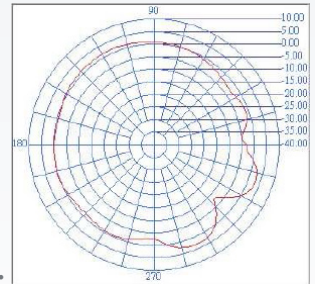
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H-Plane



E-Plane

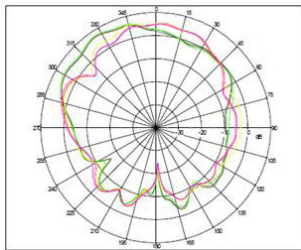


5 GHz Antenna 1

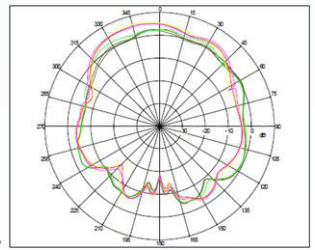
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H-Plane



E-Plane

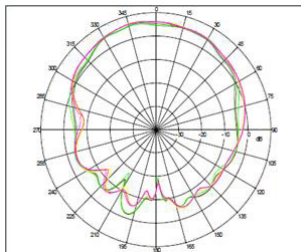


5 GHz Antenna 2

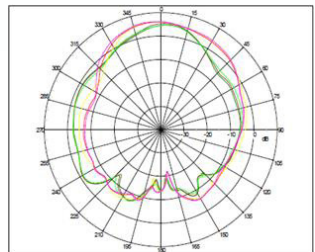
Orientation



H-Plane



E-Plane



For more information: www.dlink.com

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