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.

**Features**

**Ideal for Business**
- Blazing wireless performance of up to 300 Mbps 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) 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

**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.
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.
## Technical Specifications

### General

| Interfaces | • 802.11a / b / g / n  
| • Two 10/100 LAN ports (PoE in from either LAN1 or LAN2) | • Factory reset button |
| Wireless Frequency | • 2.4 GHz band: 2.4 GHz-2.4835 GHz  
| | • 5 GHz band: 5.15-5.25GHz, 5.25-5.35GHz, 5.470-5.725GHz, 5.725-5.825GHz |
| Data Transfer Rate | • 802.11n: 6.5 Mbps-300 Mbps  
| | • 802.11a/g: 54, 48, 36, 24, 12, 9, and 6 Mbps  
| | • 802.11b: 11, 5.5, 2, and 1 Mbps |
| Antenna | • 5 Ghz: Two integrated 8 dBi directional antennas  
| | • 2.4 GHz: Two integrated 3 dBi omnidirectional antennas |
| Power Method | • Powered by PoE2 only (from either LAN1 or LAN2, non-standard PoE 24V / 1 A) |

### Functionality

| Operating Channel | • 2.4 GHz - 13 channels  
| • 5 GHz - 19 non-overlapping channels |
| Web-based User Interface | • HTTP / HTTPS |
| Compatible Wireless Controllers/Unified Switches | • DWC-1000  
| | • DWC-2000  
| | • DWS-3160  
| | • DWS-4026 |

### Security

| SSID Security | • Up to 8 SSIDs, 4 per radio  
| • 802.1Q VLAN | • Station Isolation |
| Wireless Security | • WPA-Personal/Enterprise  
| | • WPA2-Personal/Enterprise  
| | • AES and TKIP |
| Authentication | • MAC Address Filtering  
| | • RADIUS |

### Physical

| Dimensions | • 280 x 115 x 50 mm (11.02 x 4.53 x 1.97 in.) |
| Weight | • 495 grams (1.09 lbs) |
| Power Adapter (PoE injector) | • Input: 100 to 240 V AC  
| | • Output: 24 V DC, 1 A |
| Power over Ethernet1 | • 10 / 100 Mbps PoE (from either LAN1 or LAN2, non-standard PoE 24 V / 1 A) |
| Enclosure | • Plastic housing  
| | • IP-55 rated |
| Temperature | • Operating: -30 to 50 °C (-22 to 122 °F)  
| | • Storage: -30 to 65 °C (-22 to 149 °F) |
| Humidity | • Operating: 10% to 90% non-condensing |

### Certifications

|  | • 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  
|  | • cUL  
| | • LVD  
| | • C-Tick  
| | • NCC  
| | • Wi-Fi  
| | • TELSEC |

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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.
## Radio Patterns

<table>
<thead>
<tr>
<th>Antenna Type</th>
<th>Orientation</th>
<th>H-Plane</th>
<th>E-Plane</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4 GHz Antenna 1</td>
<td><img src="image1" alt="Orientation" /></td>
<td><img src="image2" alt="H-Plane" /></td>
<td><img src="image3" alt="E-Plane" /></td>
</tr>
<tr>
<td>2.4 GHz Antenna 2</td>
<td><img src="image4" alt="Orientation" /></td>
<td><img src="image5" alt="H-Plane" /></td>
<td><img src="image6" alt="E-Plane" /></td>
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<tr>
<td>5 GHz Antenna 1</td>
<td><img src="image7" alt="Orientation" /></td>
<td><img src="image8" alt="H-Plane" /></td>
<td><img src="image9" alt="E-Plane" /></td>
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<tr>
<td>5 GHz Antenna 2</td>
<td><img src="image10" alt="Orientation" /></td>
<td><img src="image11" alt="H-Plane" /></td>
<td><img src="image12" alt="E-Plane" /></td>
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</tbody>
</table>

For more information: [www.dlink.com](http://www.dlink.com)