

## Product Highlights

### Extended Coverage

Expand a Wi-Fi network to cover a larger area

### Load balancing

To optimise high network traffic volume and redundancy

### Capacity

802.11n connectivity for increased network capacity

### Security

Supports the latest standards in W-Fi Security

### Aeroscout™ Technology

To identify and track assets equipped with an Aeroscout Radio Frequency ID (RFID) tag.



## DWL-3600AP

# Wireless N Unified Access Point

## Features

### Ideal for Business

- Wireless performance of up to 300 Mbps<sup>1</sup> network throughput
- Self-configuring cluster enables easier provisioning
- Up to 16 virtual Access Points may be created from a single device
- Automatic load-balancing among neighbouring Access Points
- Flexible Quality of Service (QoS) with Wi-Fi MultiMedia (WMM)

### Automatic Radio Frequency (RF) Management

- Automatic channel selection
- Automatic power adjustment

### Security

- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- 802.1X User authentication
- MAC address filtering
- Advanced security functions such as rogue AP detection and intrusion protection<sup>2</sup>

### Convenient Installation

- Can be easily mounted on a wall
- Mounting brackets are included
- 802.3af Power Over Ethernet enables installation at hard-to-reach locations

The DWL-3600AP is an indoor 802.11n Wi-Fi Access Point designed specifically for deployment in business environments. Highly manageable and capable of high data transmission speeds, the DWL-3600AP integrates seamlessly into existing network infrastructure and can be easily scaled up to meet future demands.

## High Performance

The DWL-3600AP's 2x2 MIMO 2.4GHz radio frequency delivers up to 300 Mbps<sup>1</sup> of network throughput. In addition, the DWL-3600AP features RadioProtect technology, which ensures all users receive an adequate level of service even in an environment where many users are accessing the network through 802.11b and 802.11g devices.

## Self-Configuring Cluster

For businesses that need to deploy multiple Access Points (APs) but lack the resources to tackle the complicated task of network management, the DWL-3600AP's self-configuring cluster feature is the ideal solution. When a small number of DWL-3600APs are deployed on the network, they may be configured to form a self-configuring cluster. Once the administrator is through with configuring one Access Point, the same configuration can then be applied to all remaining APs. Up to 16 APs may be used to form a cluster.

<sup>1</sup> 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.

<sup>2</sup> When used in conjunction with the DWC-1000, Wireless Controller.

#### Unified Management

When deployed in conjunction with D-Link's Wireless Controller, DWC-1000, up to 24 DWL-3600AP units may be centrally managed and provisioned, thus enabling the administrator to expand the Wi-Fi network to cover a large area.

#### Security

The DWL-3600AP supports the latest standards in Wi-Fi security, including WPA, WPA2, and 802.1X. In addition, the DWL-3600AP supports up to 16 Virtual Access Points (VAP), which allows the administrator to assign different access privileges to different groups of users. When used together with D-Link's Wireless Controller, DWC-1000, security can be raised to a new level. Rogue APs in the network may be easily detected, and the administrator will be immediately notified of any security threat.

#### Automatic Radio Frequency (RF) Management

When a number of Access Points are deployed close to each other, interference may if proper Radio Frequency (RF) management is not implemented. When a DWL-3600AP senses a neighbouring AP nearby, it will automatically select a non-interfering channel. This significantly 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-3600AP will automatically lower its transmission power. When, for whatever reason, the nearby AP is no longer in operation, the DWL-3600AP will increase its transmit power to expand coverage.

#### Quality of Service

The DWL-3600AP is WMM-certified, so in the event of network congestion, time-sensitive traffic can be given priority ahead of the rest of traffic. Furthermore, when a number of DWL-3600APs are in close proximity with each other, an Access Point will refuse new association requests once its resources are fully utilised. Instead, the association request will be picked up by a neighboring unit. This feature ensures that no single AP is overburdened while nearby AP remain idle.

#### 3rd Party Support

The DWL-3600AP supports AirMagnet™, one of the industry's most accurate software solutions for planning, designing and troubleshooting wireless networks for optimal performance, security and compliance. AirMagnet™ calculates the ideal quantity, placement and configuration of APs for a successful WLAN deployment. It also allows IT administrators to test and diagnose wireless performance issues. Additionally, a RFID-based location tracking system is supported with Aer Scout™ technology. Aer Scout™ allows tracking of persons, objects and assets by means of RFID tags which have built-in location capabilities. This is especially useful within healthcare, manufacturing and security sectors.



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

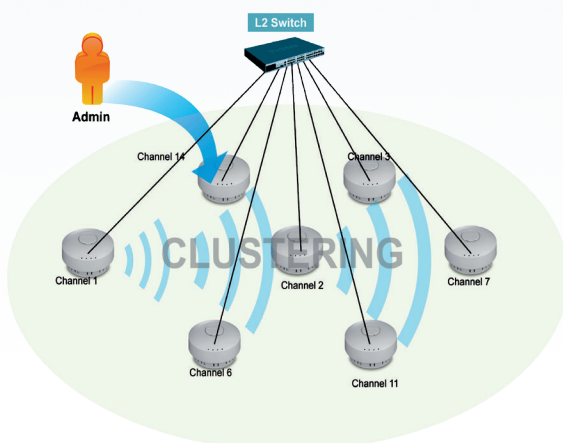
D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

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

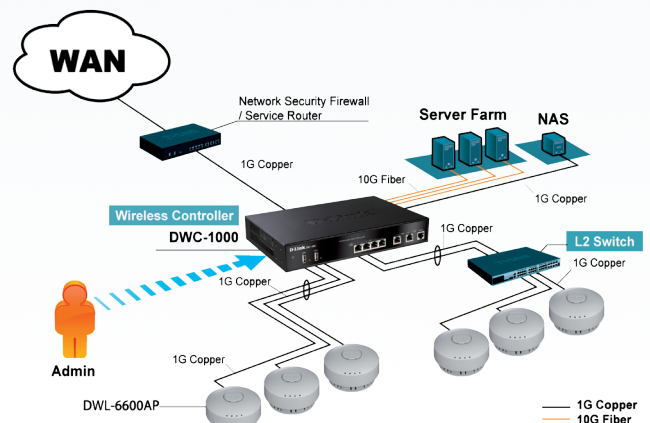
D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

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.

#### Deployment Scenario: Unified Management



#### Deployment Scenario: Clustering



| Technical Specifications  |   |
|---------------------------|---|
| Standards                 |   |
|                           | <ul style="list-style-type: none"> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3</li> <li>• IEEE 802.3af</li> </ul>   |
| Interfaces                |   |
|                           | <ul style="list-style-type: none"> <li>• 1x Gigabit Ethernet (RJ-45) port (PoE-enabled)</li> <li>• 1x Console (RJ-45) port</li> </ul>   |
| Management                |   |
|                           | <ul style="list-style-type: none"> <li>• Telnet - Secure (SSH) Telnet</li> <li>• Web Browser Interface</li> <li>• HTTP - Secure HTTP (HTTPS)</li> <li>• SNMP Support</li> <li>• AP Clustering</li> </ul>  |
| Security                  |   |
|                           | <ul style="list-style-type: none"> <li>• WPA™ - Personal</li> <li>• WPA2™ - Enterprise (802.11i)</li> <li>• WPA™ - Personal</li> <li>• WPA2™ - Enterprise (802.11i)</li> <li>• 64/128-bit WEP</li> <li>• SSID Broadcast Disable</li> <li>• MAC Address Access Control</li> <li>• Rogue AP Detection</li> <li>• Station isolation</li> </ul> |
| VLAN                      |   |
|                           | <ul style="list-style-type: none"> <li>• 802.1q VLAN support (max. 64 dynamic VLANs)</li> </ul>   |
| SSID Support              |   |
|                           | <ul style="list-style-type: none"> <li>• Multiple (up to 16 SSID)</li> </ul>  |
| Quality of Services (QoS) |   |
|                           | <ul style="list-style-type: none"> <li>• WMM Wireless Priority</li> <li>• SpectraLink Voice Priority (SVP)</li> </ul>   |
| Wireless Frequency Range  |   |
|                           | <ul style="list-style-type: none"> <li>• 2.4 GHz to 2.4835 GHz</li> </ul>   |

| Technical Specifications  |   |
|---------------------------|---|
| Operating Modes           |   |
|                           | <ul style="list-style-type: none"> <li>• Access Point (AP)</li> <li>• Wireless Distribution System (WDS)</li> </ul>   |
| 3rd Party Support         |   |
|                           | <ul style="list-style-type: none"> <li>• Integrated RFID recognition for Aeroscout devices to track wireless clients</li> <li>• AirMagnet™ software solutions for WLAN analysis and survey</li> </ul> |
| Antenna                   |   |
|                           | <ul style="list-style-type: none"> <li>• Internal Omni directional antennas</li> <li>• 4.7 dBi @ 2.4 GHz (2x2)</li> </ul>   |
| LEDs                      |   |
|                           | <ul style="list-style-type: none"> <li>• Power</li> <li>• LAN</li> <li>• WLAN</li> </ul>  |
| Maximum Power Consumption |   |
|                           | • 8 watts   |
| Power Supply              |   |
|                           | • 5 V/2.5 A   |
| Physical                  |   |
|                           | <ul style="list-style-type: none"> <li>• Plenum-rated chassis</li> <li>• Weight: 635 g.</li> <li>• Dimensions (W x L x H): 203 x 203 x 48 mm</li> </ul>   |
| Temperature               |   |
|                           | <ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C</li> <li>• Storage: -20 to 65 °C</li> </ul>  |
| Humidity                  |   |
|                           | <ul style="list-style-type: none"> <li>• Operating: 10% to 90% (Non-condensing)</li> <li>• Storage: 5% to 95% (Non-condensing)</li> </ul>   |
| Certifications            |   |
|                           | <ul style="list-style-type: none"> <li>• FCC</li> <li>• CE</li> </ul>   |



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

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Updated 16/01/2012

