

Product Highlights

- **Unified Wireless Solution**
Entry level AP designed to be used as a standalone AP or in conjunction with D-Link's Wireless Controllers and Switches
- **Wireless N Technology**
Up to 300 Mbps wireless speeds for increased capacity
- **Load balancing**
To optimise high network traffic volume and redundancy
- **Security**
Supports the latest standards in Wi-Fi Security



DWL-2600AP

Wireless N Unified Access Point

Key Features

Ideal for Business

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

Security

- WPA/WPA2 Personal/Enterprise
- 802.1X User Authentication
- MAC address filtering
- RADIUS support

Convenient Installation

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

Works with:

- D-Link DWC-1000 Wireless Controller
- D-Link DWS-3160 Unified Switch Series
- D-Link DWS-4026 Layer 2+ Unified Switch

Introduction

The DWL-2600AP is an entry level indoor Access Point (AP) designed to meet the business needs of companies of all sizes. Its low profile and sleek design means it can be deployed in a variety of business environments. The AP can work in standalone mode for initial deployment and then augmented by adding D-Link's Unified Switch solutions like the DWC-1000 Wireless Controller or the advanced DWS-3160 and DWS-4026 Unified Switch Series to provide centralised wireless LAN management.

High Performance

The DWL-2600AP is based on the 802.11n standard and delivers up to 300 Mbps of network throughput. With two internal PIFA antennae working at a 2.4 GHz frequency, this Access Point can homogeneously broadcast on the horizontal plane, making it ideal for ceiling mounting. For mixed wireless environments where 802.11n, 802.11g and 802.11b clients simultaneously access the network, its RadioProtect™ feature ensures all users receive an adequate level of service regardless of their technology.

Self-Configuring Cluster

Due to its flexible design, the DWL-2600AP can be deployed in a number of ways. Using D-Link's Self-Configuring Cluster, a feature that allows system administrators to automatically replicate the configuration of one Access Point (master AP) across several others, up to eight Access Point can be configured and grouped into a cluster. This is a great solution for small businesses or workgroups that want central management but don't need the advanced features provided by Wireless Controllers or Unified Switches.

Unified Management

The DWL-2600AP is the entry level Access Point into D-Link's Unified Wireless Solutions Range. The DWL-2600AP also incorporates Power over Ethernet (PoE) making installation simple. D-Link's Unified Switch/Controller range can easily be added to any existing network infrastructure and be used to centrally manage and power the all Unified Access Points on the network.

D-Link's Unified Wireless Solutions Range makes selecting the right product for the job easy, the DWC-1000 Wireless Controller has been designed to manage up to 24 Access Points centrally whilst the DWS-3160 Series of Unified Switches can be used in more complex network topology for deployments that need more advanced features or cover wider areas, requiring support for up to 48 Access Points directly per switch or 192 Access Points in a switch cluster.

Security

The DWL-2600AP helps system administrators secure their business network with advanced features like 802.1x Authentication and RADIUS support. Additionally, this AP supports WPA, WPA2 encryption mechanisms. To further segment the network, up to 16 Virtual Access Points (VAP) can be created allowing the administrator to assign different access privileges to different groups of users. When used together with D-Link's Wireless Controller or Unified Switches solution, security can be raised to a new level. Rogue APs in the network may be easily detected and the administrator immediately notified of any security threat.

Automatic Radio Frequency (RF) Management

Wireless networks with multiple Access Points need to be carefully planned to avoid interference and channel overlapping. Thanks to the DWL-2600AP advanced feature it can detect neighbouring Access Points at startup and assess what is the best available channel for it to transmit on. This significantly reduces RF interference and allows the administrator to easily deploy APs more densely. When being controlled by one of D-Link's Unified Wireless Switch/Controller solutions, the DWL-2600AP will automatically adjust its transmission power to avoid channel overlapping, ensuring that the wireless network always runs at top performance.

Quality of Service

The DWL-2600AP can avoid network congestion by applying Quality of Service (QoS) on the wireless network, ensuring that time-sensitive traffic is given priority ahead of the rest of traffic. Additionally, the Load Balancing mechanism avoids oversubscription on any Access Point if other APs in the proximity have more resources available. This feature ensures that no single AP is overburdened while nearby APs remain idle.

3rd Party Support

The DWL-2600AP supports Aeroscout™, a RFID-based location tracking system. Aeroscout™ 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.

Technical Specifications

System

Wi-Fi Interface	• 802.11b/g/n 2.4 GHz
LAN Interface	• 10/100 Fast Ethernet
Antenna	• 2x2 MIMO internal antenna

Wireless Frequency

802.11b/g/n	• 2.4 to 2.4835 GHz
-------------	---------------------

Data Transfer Rate

802.11n	• 6.5 to 300 Mbps
802.11g	• 54, 48, 36, 24, 18, 12, 9, and 6 Mbps
802.11b	• 11, 5.5, 2, and 1 Mbps

Operation Channel

2.4 GHz	• 13 channels for Europe
---------	--------------------------

Security

SSID	• 16 SSID • Station Isolation • 802.1Q VLAN
Wireless Security	• WPA Personal/ Enterprise, WPA2 Personal/ Enterprise
Detection & Prevention	• Rogue and Valid AP Classification
Authentication	• MAC Address Filtering

System Management

Web-based User Interface	• HTTP/ HTTPS
Command Line	• RJ45 Serial Console, SNMP, SSH, Telnet

Power

Power Adapter	• Input: 100 to 240 VAC	• Output: 12VDC 1A
Power over Ethernet	• 802.3af 48 V DC +/- 10 %	

Physical

Dimensions	• 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)
Weight	• 260 g
Operating Temperature	• 0 to 40 °C (32 to 104 °F)
Operating Humidity	• 10% to 90% non-condensing
Certifications	• cUL, LVD, EN60601-1-2, FCC, CE, C-tick, IC, VCCI, NCC, TELEC, Wi-Fi [®]

	Standalone Mode	Managed Mode (Managed by D-Link Unified Switch or Wireless Controller)
Centralised Management	–	✓
Centralised Firmware Dispatch	–	✓
Visualised AP Management Tool	–	✓
Auto-Power Adjustment	–	✓
Dynamic Auto-Channel Selection	✓	✓
L2 Fast Roaming	–	✓
L3 Fast Roaming	–	✓
Captive Portal	–	✓
WPA/WPA2 Security	✓	✓
Rogue AP Detection	✓	✓
Rogue AP Mitigation	–	✓
WIDS	–	✓
Station Isolation	✓	✓
MAC Address Filtering	✓	✓
AP Load Balancing Setup	✓	✓
WDS	✓	✓
AP Clustering	✓	–
QoS/WMM	✓	✓
Local Storage Configuration	✓	–



For more information: www.dlink.com

