

## **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
- Automatic load-balancing among neighbouring Access Points
   Elseitha Queling (Q=C) with Mir Fi
- 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<sup>™</sup> 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.

## **DWL-2600AP** Wireless N Unified Access Point



### **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<sup>™</sup>, a RFID-based location tracking system. Aeroscout<sup>™</sup> 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.



System           System <a>20211b/g/n 2.4 GHz</a> LNI Interface <a>20211b/g/n 2.4 GHz</a> LAN Interface <a>10/100 Fast Ethernet</a> Antenna         >2x2 MIMO Internal antenna           Wireless Frequency            802.11b/g/n <a>2.4 to 2.4835 GHz           Data Transfer Rate            802.119         <a>5.4 to 2.4835 GHz           802.119         <a>5.4 48, 36, 24, 18, 12, 9, and 6 Mbps</a>           802.119         <a>5.4 48, 36, 24, 18, 12, 9, and 6 Mbps</a>           802.119         <a>5.4 48, 36, 24, 18, 12, 9, and 6 Mbps</a>           802.119         <a>11, 5.5, 2, and 1 Mbps</a>           Operation Channel            Security         <a>12 channels for Europe</a>           Security         <a>13 channels for Europe</a>           Security         <a>WPA Personal/ Enterprise, WPA2 Personal/ Enterprise</a>           Vertess Security         <www.www.www.ack address="" filtering<="" td="">           System Management         <a>Negue and Valid AP Classification</a>           Authentication         <a>Negue and Valid AP Classification</a>           Authentication         <a>Negue and Valid AP Classification</a>           Command Line         <a>Negue and Valid AP Classification</a> <!--</th--><th></th><th></th><th></th></www.www.www.ack></a></a>				
WFI Interface480.211b/g/n 2.4 GHzLAN Interface-10/100 Fast EthernetAntenna->>2 XMUM0 internal antennaWireless Frequency->>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Technical Specifications			
LAN interface       -10/100 Fast Ethernet         Antenna       -2x2 MIMO internal antenna         Wireless Frequency         802.11b g/n       -2x10 z4835 GHz         Data Transfer Rate         802.11n       -6.5 to 300 Mbps         802.11n       -6.5 to 300 Mbps         802.11n       -6.5 to 300 Mbps         802.11p       -6.5 to 300 Mbps         802.11p       -5.4 x8, 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	System			
Antenna-2x2 MIMO internal antennaWireless Frequency802.11b/g/n-2.4 to 2.4835 GHzB02.11b/g/n-2.4 to 2.4835 GHzData Transfer Rate802.11n-6.5 to 300 Mbps802.11g-6.5 to 300 Mbps802.11g-1.5 to 300 Mbps901-1.5 to 300 Mbps902.11g-1.5 to 300 Mbps <td>Wi-Fi Interface</td> <td>• 802.11b/g/n 2.4 GHz</td> <td></td>	Wi-Fi Interface	• 802.11b/g/n 2.4 GHz		
Wireless Frequency           802.11b/g/n         2.4 to 2.4835 GHz           Data Transfer Rate	LAN Interface	•10/100 Fast Ethernet		
802.11b/g/n       •2.4 to 2.4835 GHz         Data Transfer Rate         802.11n       •6.5 to 300 Mbps         802.11g       •5.4 ,48, 36, 24, 18, 12, 9, and 6 Mbps         802.11b       •11, 5.5, 2, and 1 Mbps         Operation Channel         2.4 GHz         Security         Station Isolation         •802.100       •16 SSID         •Station Isolation       •802.10 VLV         •800 WPA Personal/ Enterprise, WPA2 Personal/ Enterprise         Detection & Prevention         Authentication       •MCA Eddress Filtering         System Management         Web-based User Interface         Operation Channel         Operation Solation • Solatin • Colspanine • Colophin • Colspani • Colspanine • Colspani • Co	Antenna	• 2x2 MIMO internal antenna		
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802.11n-6.5 to 300 Mbps802.11g-54, 48, 36, 24, 18, 12, 9, and 6 Mbps802.11b-11, 5.5, 2, and 1 MbpsOperation Channel2.4 GHz	802.11b/g/n	• 2.4 to 2.4835 GHz		
802.11g       -54,48,36,24,18,12,9, and 6 Mbps         802.11b       -11,5.5,2, and 1 Mbps	Data Transfer Rate			
802.11b       +11, 5.5, 2, and 1 Mbps          +13 channels for Europe         2.4 GHz       +13 channels for Europe          -16 SSID         SSID       -16 SSID         -Station Isolation       -802 (QV LAN         Wireless Security       -WPA Personal/ Enterprise, WPA2 Personal/ Enterprise         Detection & Prevention       -Rogue and Valid AP Classification         Authentication	802.11n	• 6.5 to 300 Mbps		
Operation Channel2.4 GHz•13 channels for EuropeSecuritySSID•16 SSID •Station Isolation •802.1Q VLANWireless Security•WPA Personal/ Enterprise, WPA2 Personal/ EnterpriseDetection & Prevention•Rogue and Valid AP ClassificationAuthentication•MAC Address FilteringSystem Management•MAC Address FilteringWeb-based User Interface•HTTP/ HTTPSCommand Line•Rugts Serial Console, SNMP, SSH, TelnetPower•Rugts aft ad VDC +/- 10 %Power over Ethernet•802.3af 48 VDC +/- 10 %Physical·160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)Dimensions•160 x 40 ref (32 to 104 °F)Operating Temperature•0 to 40 °C (32 to 104 °F)Operating Humidity•10% to 90% non-condensing	802.11g	• 54, 48, 36, 24, 18, 12, 9, and 6 Mbps		
24 GHz       +13 channels for Europe         Security	802.11b	• 11, 5.5, 2, and 1 Mbps		
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	Operation Channel			
SID       •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       •MAC Address Filtering         Web-based User Interface       •HTTP/ HTTPS         Command Line       •R45 Serial Console, SNMP, SSH, Telnet         Power       •Rupu: 100 to 240 VAC       •Output: 12VDC 1A         Power       •802.3af 48 V DC +/- 10 %         Physical       •160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)         Dimensions       •160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)         Weight       •260 g         Operating Temperature       •10 40 °C (32 to 104 °F)         Operating Humidity       •10% to 90% non-condensing	2.4 GHz	• 13 channels for Europe		
Station Isolation >802.1Q VLANWireless Security•WPA Personal/ Enterprise, WPA2 Personal/ EnterpriseDetection & Prevention•Rogue and Valid AP ClassificationAuthentication•MAC Address FilteringSystem Management•MAC Address FilteringWeb-based User Interface•HTTP/ HTTPSCommand Line•RU45 Serial Console, SNMP, SSH, TelnetPower•RU45 Serial Console, SNMP, SSH, TelnetPower•Input: 100 to 240 VACPower Adapter•Input: 100 to 240 VACPower over Ethernet•20.3af 48 V DC +/- 10%Physical•160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)Dimensions•160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)Weight•260 gOperating Temperature•0 to 40 °C (32 to 104 °F)Operating Humidity•10% to 90% non-condensing	Security			
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Web-based User Interface       •HTTP/ HTTPS         Command Line       •RJ45 Serial Console, SNMP, SSH, Telnet         Power       •Numerical Serial Console, SNMP, SSH, Telnet         Power Adapter       •Input: 100 to 240 VAC       •Output: 12VDC 1A         Power over Ethernet       •802.3af 48 V DC +/- 10 %       •Output: 12VDC 1A         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       -       -	Authentication	MAC Address Filtering		
Command LineRH45 Serial Console, SNMP, SSH, TelnetPowerPowerPower AdapterInput: 100 to 240 VACOutput: 12VDC 1APower over Ethernet802.3af 48 V DC +/- 10 %Output: 12VDC 1APhysicalInput: 00 to 240 VACInput: 00 to 240 VACDimensions160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)Input: 00 to 240 VACWeight0 to 40 °C (32 to 104 °F)Input: 00 to 40 °C (32 to 104 °F)Operating Humidity10% to 90% non-condensingInput: 00 to 40 °C (32 to 104 °F)	System Management			
Power       Input: 100 to 240 VAC       Output: 12VDC 1A         Power Adapter       • 802.3af 48 V DC +/- 10 %       • Output: 12VDC 1A         Power over Ethernet       • 802.3af 48 V DC +/- 10 %       • Topper adapter         Physical       • 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)       • Topper adapter         Dimensions       • 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)       • Topper adapter         Veight       • 260 g       • 0 to 40 °C (32 to 104 °F)         Operating Humidity       • 10% to 90% non-condensing       • Topper adapter	Web-based User Interface	• HTTP/ HTTPS		
Power AdapterInput: 100 to 240 VACOutput: 12VDC 1APower over Ethernet $*802.3af 48 V DC +/- 10 \%$ $*0tput: 12VDC 1A$ PhysicalInflow: Inflow:	Command Line	• RJ45 Serial Console, SNMP, SSH, Telnet		
Power over Ethernet• 802.3af 48 V DC +/- 10 %Physical• 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)Dimensions• 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)Weight• 260 gOperating Temperature• 0 to 40 °C (32 to 104 °F)Operating Humidity• 10% to 90% non-condensing	Power			
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	Power Adapter	• Input: 100 to 240 VAC	Output: 12VDC 1A	
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Weight     • 260 g       Operating Temperature     • 0 to 40 °C (32 to 104 °F)       Operating Humidity     • 10% to 90% non-condensing	Physical			
Operating Temperature     • 0 to 40 °C (32 to 104 °F)       Operating Humidity     • 10% to 90% non-condensing	Dimensions	• 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)		
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Certifications • cUL, LVD, EN60601-1-2, FCC, CE, C-tick, IC, VCCI, NCC, TELEC, Wi-Fi <sup>®</sup>	Operating Humidity	• 10% to 90% non-condensing		
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## **DWL-2600AP** Wireless N Unified Access Point

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



For more information: www.dlink.com

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