

Product Highlights

Very high speeds

Capable of high speeds of up to 300 Mbps¹ network throughput

Power over Ethernet

802.3af Power Over Ethernet means it can be installed in more places because no power cable is needed

Versatile management features

Network management is simplified with features such as self-configuring cluster mode and unified management



DWL-2600AP

Unified N Single-band PoE Access Point

Features

Ideal for Business

- Self-configuring cluster, enabling effortless provisioning
- Up to 16 virtual access points may be created from a single access point
- Flexible QoS with WMM
- 802.3af Power Over Ethernet enables installation at hard to reach locations

Trusted Security

- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- MAC address filtering
- Rogue AP detection

The DWL-2600AP Unified N Single-band PoE Access Point is an indoor 802.11n Wi-Fi access point designed specifically for deployment in business environments. Highly manageable and capable of blazing speeds, the DWL-2600AP integrates seamlessly into existing network infrastructure and can be easily scaled up to meet future demands.

Self-Configuring Cluster

For small businesses that need to deploy multiple APs but lack the resources to tackle the complicated task of network management, the DWL-2600AP's self-configuring cluster feature offers the ideal solution. When a small number of DWL-2600APs 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 8 APs may be used to form a cluster.

Unified Management

When deployed in conjunction with D-Link's line of Unified Wireless Switches, up to 256 DWL-2600AP units may be centrally managed and provisioned, enabling the administrator to expand the Wi-Fi network to cover a large area.

Security

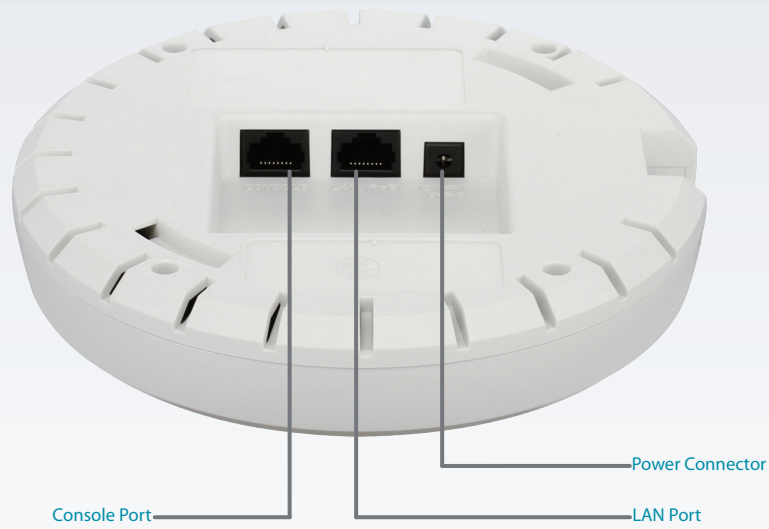
The DWL-2600AP supports all the latest in Wi-Fi security, including WPA and WPA2. In addition, the DWL-2600AP supports up to 16 SSIDs, which allows the administrator to assign different access privileges to different groups of users.

Automatic RF Management

When a number of access points are deployed close to each other, interference may result if proper RF management isn't implemented. When a DWL-2600AP senses a neighbor nearby, it will automatically select a non-interfering channel. This greatly reduces RF interference and will allow the administrator to deploy APs more densely. To further minimize interference, when a nearby AP is operating on the same channel, the DWL-2600AP will automatically lower its transmission power.² When, for whatever reason, the nearby AP is no longer present, the DWL-2600AP will increase its transmission power to expand coverage.

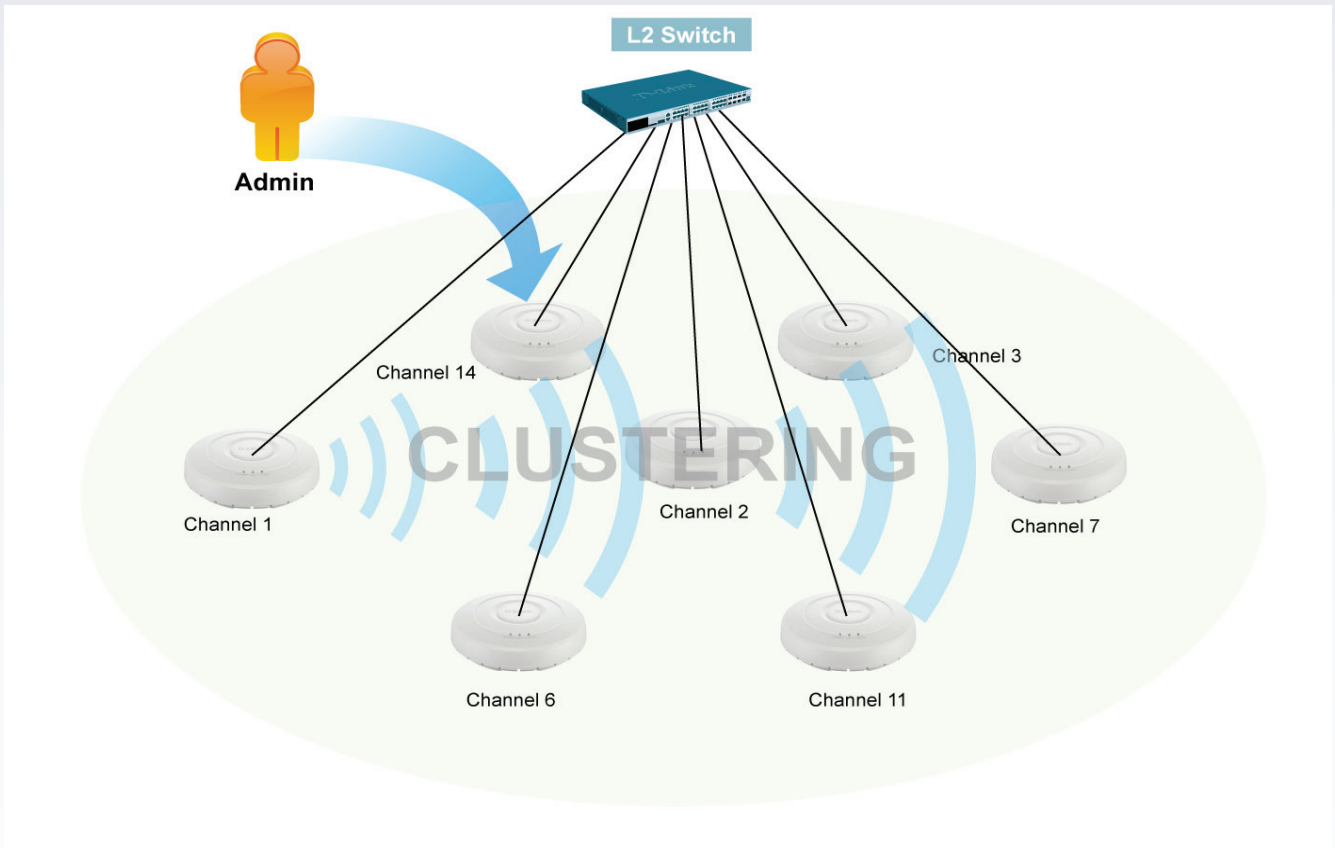
Quality of Service

The DWL-2600AP 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-2600APs are in close proximity with each other, an access point will refuse new association requests once its resources are fully utilized. Instead, the association request will be picked up by a neighboring unit. This feature ensures that no single AP is overburdened while others nearby sit idle.

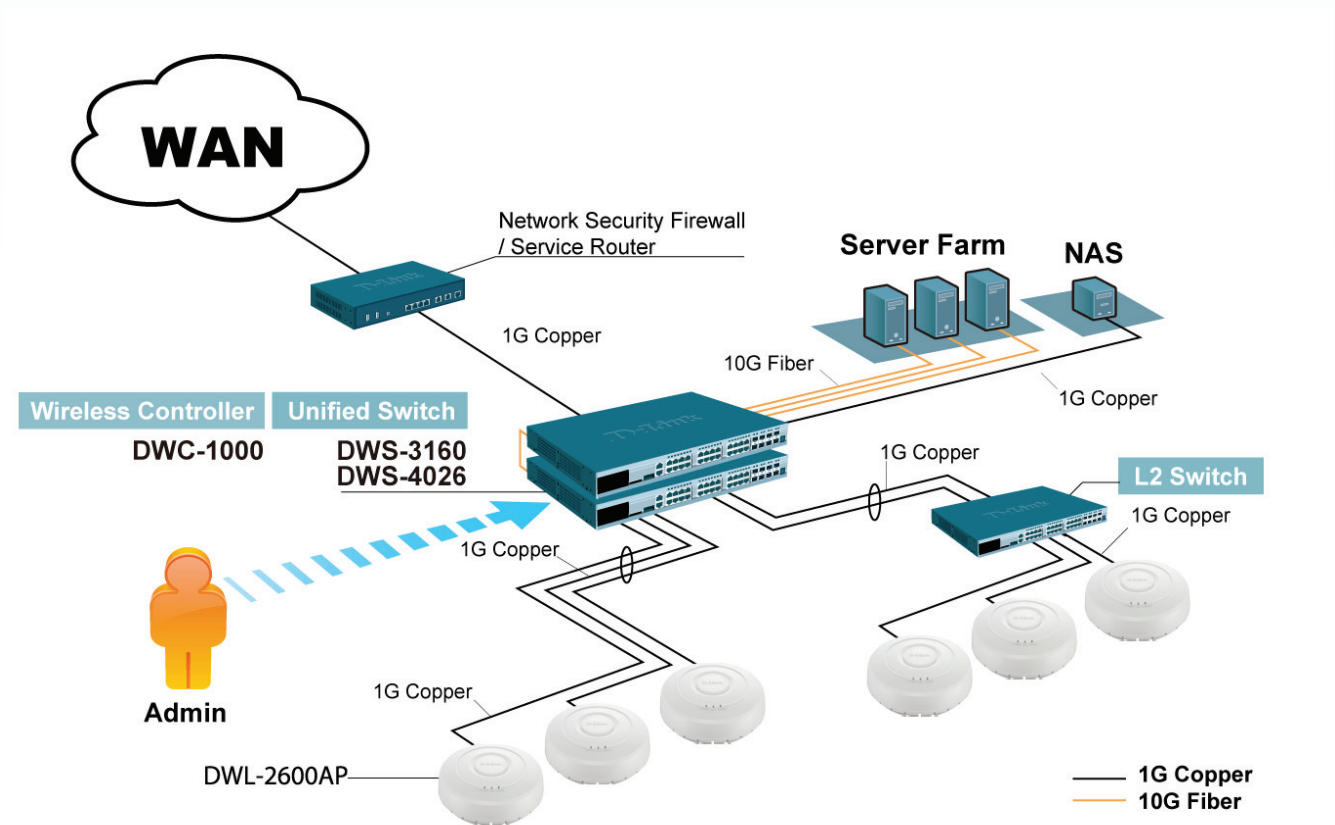


	Standalone Mode	Managed Mode (Managed by D-Link Wireless Switch/ Wireless Controller)
Centralized Management	-	✓
Centralized Firmware Dispatch	-	✓
Visualized AP Management Tool	-	✓
Auto-Power Adjustment	-	✓
Dynamic Auto-Channel Selection	✓	✓
L2 Fast Roaming	-	✓
L3 Fast Roaming	-	✓
Captive Portal	-	✓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

Deployment Scenario: AP Clustering



Deployment Scenario: Unified Management



Technical Specifications		
General		
Wi-Fi Interface	• 802.11b/g/n 2.4 GHz	
LAN Interface	• 10/100 Fast Ethernet	
Antenna	• 2x2 MIMO internal antenna	
Power Method	• Powered by PoE or 12 V/1 A	
Functionality		
Wireless Frequency/ EIRP	• 802.11b/g/n: 2.4 GHz-2.4835 GHz	• EIRP: 18dBm
Data Transfer Rate	• 802.11n: 6.5 Mbps-300 Mbps	• 802.11g: 54, 48, 36, 24, 12, 9, and 6 Mbps • 802.11b: 11, 5.5, 2, and 1 Mbps
Operation Channel	• 2.4 GHz: • 11 channels for United States • 13 channels for Europe • 13 channels for Japan	
Web-based User Interface	• HTTP/HTTPS	
Command Line	• RJ45 Serial Console • Telnet/ SSH	• SNMP
Security		
SSID Security	• 16 SSID • 802.1Q VLAN	• Station Isolation
Wireless Security	• WPA Personal/ Enterprise	• WPA2 Personal/ Enterprise
Detection & Prevention	• Rogue and Valid AP Classification	
Authentication	• MAC Address Filtering	
Physical		
Dimensions	• 160 x 160 x 45 mm (6.30 x 6.30 x 1.77 inches)	
Weight	• 240 grams (0.53 lbs)	
Power Adapter	• Input: 100 to 240 V AC	• Output: 12 V DC, 1 A
Power over Ethernet	• 10/100 Mbps PoE (802.3af) input	
Enclosure	• Standard or plenum-rated chassis	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	
Humidity	• Operating: 10% to 90% non-condensing	

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Certifications	<ul style="list-style-type: none">• CE• FCC• IC• cUL• LVD• UL2043 (for plenum-rated SKU only)	<ul style="list-style-type: none">• C-Tick• VCCI• NCC• Wi-Fi• TELEC
Order Information		
<i>Part Number</i>	<i>Description</i>	
DWL-2600AP	Unified N Single-band PoE Access Point	

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

² This feature is available when Unified AP is used in conjunction with D-Link's line of Unified Wireless Switches/controllers.

Updated 07/23/12