



Product Highlights

Enterprise Class Concurrent Dual Band Wireless Radio
Supports 2x2 MIMO 2.4/5GHz 802.11a/b/g/n with throughput speeds up to 300Mbps.

Flexible Housing Design

Embedded antennas with external antenna option and plenum rated housing for non-intrusive and safe deployment in any indoor application.

Wireless Management Support

Works with DWC-1000 Wireless Controller and DWS-3160/4026 Unified Wireless Switch for larger AP installations that require centralized configuration and management.



DWL-6600AP

Unified N Concurrent Dual-band PoE Access Point

Features

Ideal for Business

- Blazing wireless performance of up to 300 Mbps¹ network throughput
- Configuration Replicating Clusters reduce configuration complexity
- Up to 32 virtual access points may be created from a single device²
- Automatic load-balancing among neighboring access points
- Flexible QoS with WMM

Trusted Security

- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- WEP Encryption
- 802.1X User authentication
- MAC address filtering
- Rogue AP detection

Convenient Installation³

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

The DWL-6600AP Unified N Dual-band PoE Access Point is a best-in-class indoor access point designed specifically for business-class environments. With high data transmission speeds and access point load balancing, the DWL-6600AP offers high-quality and reliable wireless service. Versatile and powerful, the DWL-6600AP can be flexibly deployed as a standalone wireless access point or as a managed access point controlled by a D-Link® Unified Wireless Switch or Wireless Controller. Businesses can start with standalone mode deployment, then migrate to a centrally managed system anytime later.

Enhanced Performance

The DWL-6600AP delivers reliable wireless performance with maximum wireless signal rates of up to 300 Mbps in either the 2.4 GHz or 5 GHz mode. Support for Wi-Fi Multimedia™ (WMM) Quality of Service features makes the DWL-6600AP an ideal access point for audio, video, and voice application. In addition, the load balancing feature ensures maximum performance and best service quality in the wireless environment³.

Configuration Replicating Clusters

For small businesses that need to deploy multiple access points (APs) but lack the resources to tackle the complicated task of network management, the DWL-6600AP's clustering feature offers the ideal solution. When a small number of DWL-6600APs is deployed on the network, they may be configured to form a cluster. Once the administrator is through with configuring one access point, the same configuration can then be applied to all remaining APs that are members of that cluster. Up to 16 APs may be used to form a cluster.

Unified Management

The DWL-6600AP can operate in conjunction with a D-Link Wireless Switch or Wireless Controller. In this mode, multiple DWL-6600APs can connect directly or indirectly to one of these switches or controllers to provide unparalleled security and wireless mobility for wireless clients. Each DWL-6600AP can be tuned by these switches to provide the optimal RF channels and transmission power for all mobile clients, giving them the best wireless signals in both 2.4GHz and 5.0GHz bands and uninterrupted wireless connectivity.

Security

The DWL-6600AP supports the latest standards in Wi-Fi security, including WEP, WPA, WPA2, and 802.1X. In addition, the DWL-6600AP supports up to 16 virtual access points (VAP) per radio, for a total of 32 VAPs, 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. Rogue APs in the network may be easily detected, and the administrator will be immediately notified of any security threat. When used together with D-Link's line of Unified Wireless Switches or Wireless Controllers, the security can be raised to a new level.

Automatic RF Management

When a number of access points are deployed close to each other, interference may result if proper RF management is not implemented. When a DWL-6600AP senses any neighbor AP at startup, it will automatically select a non-interfering channel, the DWL-6600AP will automatically lower its transmission power to minimize interference. When that managed AP is no longer present, the DWL-6600AP will increase its transmit power to expand coverage.

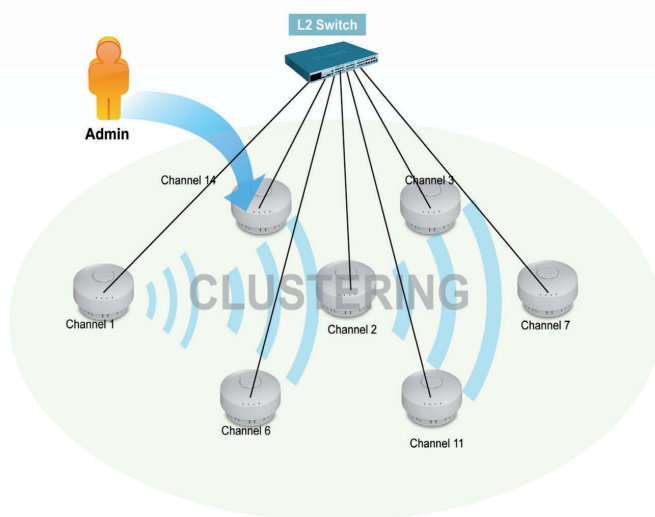
Quality of Service

The DWL-6600AP 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-6600APs are in close proximity with each other, an access point can refuse new association request once its resources are fully utilized. Instead, the association request will be picked up by a neighboring AP. This feature ensures that no single AP is overburdened while other APs nearby sit idle.

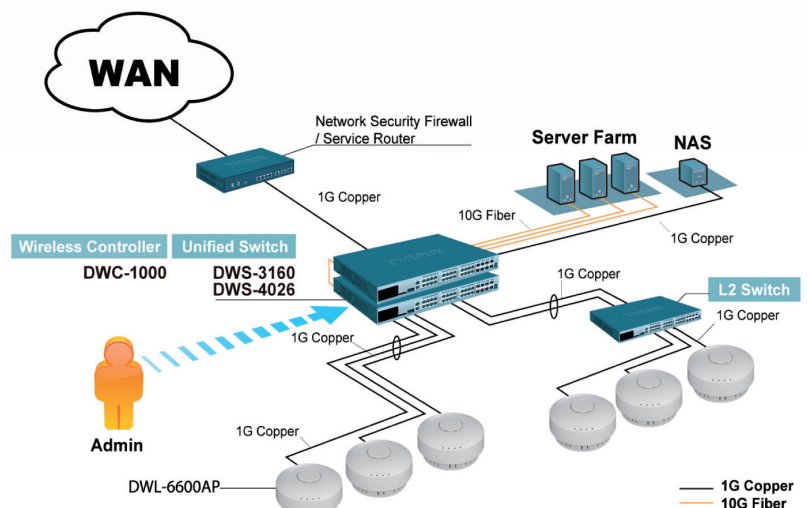
Convenient Installation

With an embedded antenna and simple styled exterior, the DWL-6600AP can be installed on a wall or ceiling and blends in with most interior decorations in an office. Enclosed in a plenum-rated chassis, the DWL-6600AP adheres to strict fire codes for placement in air passageways. For easy installation, the DWL-6600AP has integrated 802.3af Power over Ethernet (PoE) support, allowing installation of this device in areas where power outlets are not readily available.

Deployment Scenario: AP Clustering



Deployment Scenario: Unified Management



Technical Specifications

System

Wi-Fi Interface	• 802.11a/b/g/n 2.4/5.0 GHz	
LAN Interface	• 10/100/1000 Gigabit Ethernet	
Console	• RJ-45	
Antenna	• 2x2 MIMO embedded antenna with 4 external antenna connectors	
Power Method	• IEEE 802.3af Power Over Ethernet or external power adapter	
Wireless Frequency	• 802.11n: 2.4 to 2.497 GHz and 4.9 to 5.85 GHz • 802.11b/g: 2.4 to 2.4835 GHz	• 802.11a: 5.15 to 5.35 GHz and 5.725 to 5.825 GHz
Data Transfer Rate	• 802.11n: 6.5 Mbps-130 Mbps (20 MHz) 6.5 MHz-300 Mbps (40 Mbps)	• 802.11a/g: 54, 48, 36, 24, 18, 12, 9, and 6 Mbps • 802.11b: 11, 5.5, 2 and 1 Mbps
Operation Channel (2.4 GHz)	• 5.0 GHz: 12 Non-Overlapping Channels for US and Canada	• 2.4 GHz: 11 channels for United States
System Management	• HTTP/HTTPS Web-based User Interface	• SNMP, SSH, Telnet Command Line

Security

SSID	• 16 SSID per frequency band, 32 SSID per AP	• Station Isolation
Wireless Security	• WEP • Dynamic WEP	• WPA Personal/ Enterprise • WPA2 Personal/ Enterprise
Detection & Prevention	• Rogue and Valid AP Classification	
Authentication	• MAC Address Filtering	• 802.1x

Physical & Environmental

Power Adapter	• 12 V 1 A	
Power over Ethernet	• 48 VDC +/- 10%	
Stand-Alone Mode	• WEP/WPA/WPA2 Security • Rogue AP Detection • Station Isolation • MAC Address Filtering • AP Load Balancing Setup	• WDS • AP Clustering • QoS/WMM • Local Storage Configuration
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 • WEP/WPA/WPA2 Security	• Rogue AP Detection • Rogue AP Mitigation • WIDS • Station Isolation • MAC Address Filtering • AP Load Balancing Setup • WDS • QoS/WMM
Dimensions	• 6.14"x 3.05" (156 x 77.5 mm)	
Weight	• 1.1 lbs (0.5kg)	
Operating Temperature	• 32°F to 104°F (0° to 40°C)	

DWL-6600AP Unified N Concurrent Dual-band PoE Access Point

Operating Humidity	• 10% to 90% non-condensing			
EMI/EMC/RF	• FCC Class B • CE Class B	• C-tick, • IC	• VCCI • NCC	• TELEC • Wi-Fi®
Safety	• cUL	• LVD (EN60950-1)	• UL2043	
MTBF	• 497,476 hours			
Warranty				
Warranty	• Limited Lifetime			
Ordering Information				
Part Number	Description			
DWL-6600AP	Unified N Concurrent Dual-band PoE Access Point			
Optional products				
Part Number	Description			
ANT70-0500	2.4/5.0 GHz Dual-Band Antenna			
DPE-101GI	1-Port Gigabit PoE Injector			
DWC-1000	Unified Wireless Controller			
DWS-3160-24TC	Unified Wireless L2 Gigabit PoE Switch			
DWS-3160-24PC	Unified Wireless L2 Gigabit PoE Switch			
DWS-4026	L2+ Unified Wired/Wireless Gigabit Switch Switch - 24 ports			



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 Up to 16 virtual Access Points each on the 5GHz and 2.4 GHz radios

³ When used with a D-Link Unified Wireless Switch or Wireless controller

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For more information

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