D-Link®

Product Highlights

Fast 300Mbps 2.4GHz 802.11n Wireless Radio
Supports 2x2 MIMO 802.11b/g/n with throughput speeds up to 300Mbps.

Flexible Housing Design
Embedded antennas 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-3600AP

Unified N Access Point

Features

Ideal for Business
- Blazing wireless performance of up to 300 Mbps[1] network throughput
- Configuration Replicating Clusters reduce configuration complexity
- Up to 16 virtual access points may be created from a single device
- 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 Installation
- Can be easily mounted on a wall or ceiling
- 802.3af Power Over Ethernet enables installation at in hard-to-reach locations
- Mounting brackets are included

The DWL-3600AP Unified 802.11n Access Point 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 delivers up to 300 Mbps[1] 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 legacy 802.11b and 802.11g devices.

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-3600AP's Configuration Cluster feature offers the ideal solution. When a small number of DWL-3600APs is deployed on the network, they may be configured to form a Replicating 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

When deployed in conjunction with D-Link's line of Unified Wireless Switches or Wireless Controllers, up to 256 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 line of Unified Wireless Switches or wireless controller, 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 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- 3600AP senses a neighbor AP at startup, it will automatically select a non-interfering channel. This greatly reduces RF interference and will allow the administrator to deploy APs more densely. With a DWC Wireless Controller or DWS Unified Wireless Switch, you can also adjust the transmit power dynamically. When a nearby managed AP is operating on the same channel, the DWL-3600AP will automatically lower its transmission power to minimize interference. When that managed AP is no longer present, the DWL-3600 will increase it's 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 other 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 utilized. Instead, the association request will be picked up by a neighboring AP. This feature ensures that no single AP is overburdened while others nearby sit idle.
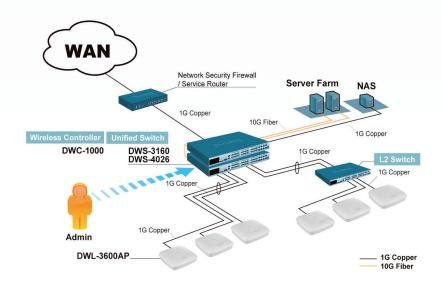
Convenient Installation

With an embedded antenna and simple styled exterior, the DWL-3600AP 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-3600AP adheres to strict fire codes for placement in air passageways. For easy installation, the DWL-3600AP 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	• 802.11b/g/n 2.4 GHz
LAN Interface	• 10/100/1000 Gigabit Ethernet
Antenna	• 2x2 MIMO embedded antenna with 4 internal antennas
Antenna Gain	• 4.7 dBi
Power Method	• IEEE 802.3af Power Over Ethernet or external power adapter
Wireless Frequency	• 802.11b/g/n: 2.4 GHz - 2.497 GHz
Data Transfer Rate	• 802.11n: 6.5 Mbps-130 Mbps (20 MHz) • 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps 6.5 Mbps- 300 Mbps (40 Mbps) • 802.11b: 11, 5.5, 2 and 1 Mbps
Operation Channel (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 • 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	• 5V/2.5A
Power over Ethernet	• 48 VDC +/- 10%
Stand-Alone Mode	• WEP/WPA/WPA2 Security • WDS • Rogue AP Detection • AP Clustering • Station Isolation • QoS/WMM • MAC Address Filtering • Local Storage Configuration • AP Load Balancing Setup
Managed Mode (Managed by D-Link Wireless Switch/ Wireless Controller)	• Centralized Management • Rogue AP Detection • Centralized Firmware Dispatch • Rogue AP Mitigation • Visualized AP Management Tool • WIDS • Auto-Power Adjustment • Station Isolation • Dynamic Auto-Channel Selection • MAC Address Filtering • L2 Fast Roaming • AP Load Balancing Setup • L3 Fast Roaming • WDS • Captive Portal • QoS/WMM • WEP/WPA/WPA2 Security
Dimensions	• 7.99" x 7.99 "x 1.89" (203 x 203 x 48 mm)
Weight	• 1.4 lbs (635 g)
Operating Temperature	• 32°F to 104°F (0° to 40°C)
Operating Humidity	• 10% to 90% non-condensing
EMI/EMC/RF	• FCC Class B • C-tick, • VCCI • TELEC • CE Class B • IC • NCC • Wi-Fi®
Safety	• cUL, LVD (EN60950-1) • UL2043

Warranty	
Warranty	• Limited Lifetime
Ordering Information	
Part Number	*Description*
DWL-3600AP	Unified N Access Point
Optional Products	
DWC-1000	Unified Wireless Controller
DPE-101GI	PoE Gigabit injector Power injector
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]This feature is available when the DWL-3600AP is used in conjunction with D-Link's line of Unified Wireless Switches.

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For more information

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