

Ideal for Business

- Blazing wireless performance of up to 300 Mbps¹ network throughput
- Self-configuring cluster enables effortless provisioning
- Up to 16 virtual access points may be created from a single device
- Automatic load-balancing among neighboring access points
- Flexible QoS with WMM
- Can facilitate scaling up of network to support hundreds of access points²

Automatic RF Management

- Automatic channel selection
- Automatic power adjustment

Trusted Security

- WPA/WPA2 Personal
- WPA/WPA2 Enterprise
- 802.1X User authentication
- MAC address filtering
- Advanced security functions such as rogue AP detection and intrusion protection²

Convenient Installation

- Can be easily mounted on a wall
- Mounting brackets are included
- 802.3af Power Over Ethernet enables installation at hard-to-reach locations
- Zero configuration installation

¹300 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.

²This feature is available when the DWL-3600AP is used in conjunction with D-Link's line of Unified Wireless Switches.

Unified N Access Point



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 Mbps¹ 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.

Self-Configuring Cluster

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 self-configuring 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 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 16 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-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, 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.

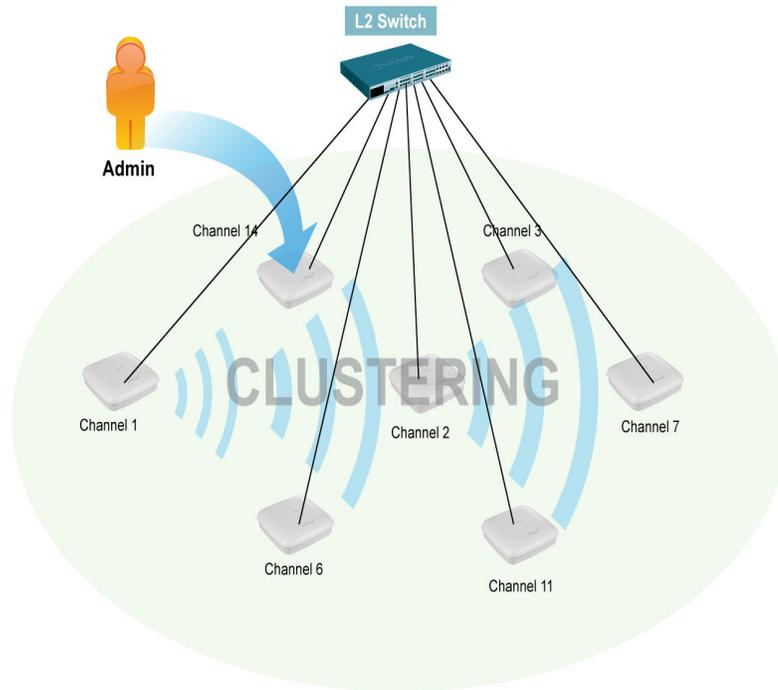
Automatic RF Management

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 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-3600AP will automatically lower its transmission power. When, for whatever reason, the nearby AP is no longer present, the DWL-3600AP will increase its transmit power to expand coverage.

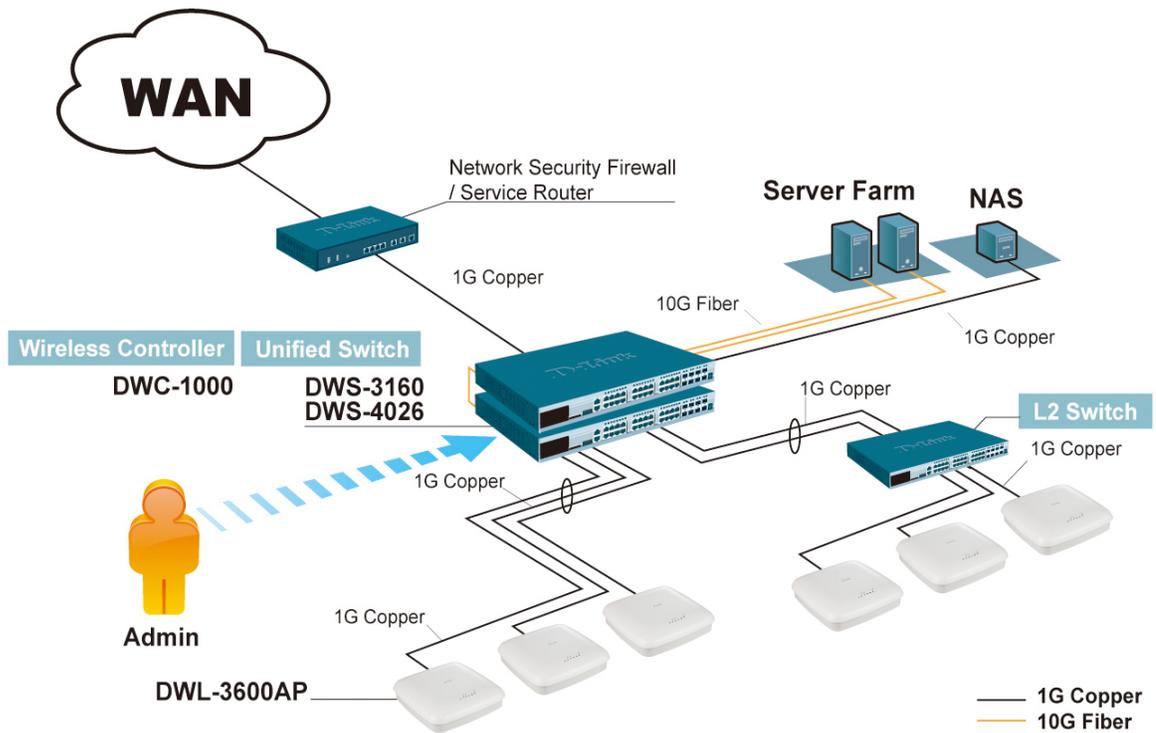
Quality of Service

The DWL-3600AP is WMM-certified, so in the event of network congestion, time-sensitive traffic can be given priority ahead of the rest of 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 unit. This feature ensures that no single AP is overburdened while others nearby sit idle.

Deployment Scenario: AP Clustering



Deployment Scenario: Unified Management





Unified N Access Point

Technical Specifications

System	Wi-Fi Interface	802.11b/g/n 2.4 GHz 2x2 MIMO
	LAN Interface	10/10/100 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) 6.5 MHz- 300 Mbps (40 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	11 channels for United States 13 channels for Europe 13 channels for Japan
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
System Management	Web-based User Interface	HTTP/HTTPS
	Command Line	SNMP, SSH, Telnet
Power	Power Adapter	5 V/2.5 A
	Power over Ethernet	48 V DC +/- 10%
Physical Environment	Enclosure Type	PC or plenum-rated chassis
	Enclosure Size	203 x 203 x 48 mm (7.99 x 7.99 x 1.89 inches)
	Weight	Standard chassis: 550 g (1.21 pounds) Plenum-rated chassis: 635 g (1.4 pounds)
	Operation Temperature	0 to 40 °C (32 to 104 °F)
	Operation Humidity	10% to 90% non-condensing
Regulatory	Safety	cUL, LVD (EN60950-1), UL2043 (for plenum-rated sku only)
Compliance	EMI/EMC/RF	EN60601-1-2, FCC Class B, CE Class B, C-tick, IC, VCCI, NCC, TELEC, Wi-Fi®



Unified N Access Point

	Stand-Alone 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	—	✓
WEP/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	✓	—



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