Ideal for Business

- Blazing wireless performance of up to 300 Mbps[1] network throughput
- Self-configuring cluster enables effortless provisioning
- Up to 32 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 in hard-to-reach locations
- Zero configuration installation

Unified N Concurrent Dual-band PoE Access Point

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 environment.

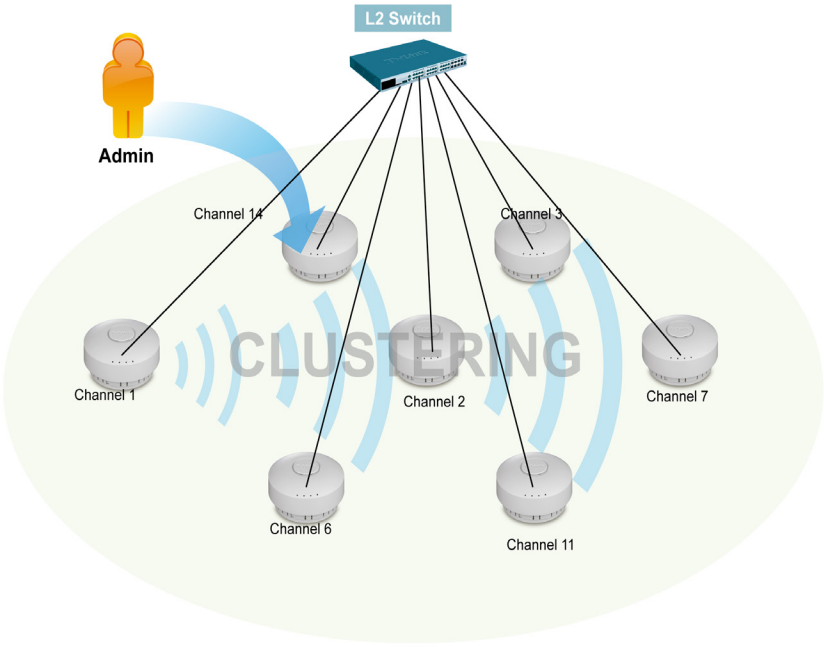
Self-Configuring Cluster
For small businesses that need to deploy multiple access points (APs) but lack the resources to tackle the complicated task of network management, the DWL-6600AP's self-configuring cluster feature offers the ideal solution. When a small number of DWL-6600APs is deployed on the 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
Alternatively, the DWL-6600AP can operate in conjunction with a D-Link Wireless Switch and Wireless Controller. In this mode, multiple DWL-6600APs can connect directly or indirectly to one of these switches/ controllers to provide unparalleled security and wireless mobility for wireless clients. Each DWL-6600AP will be continually 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.

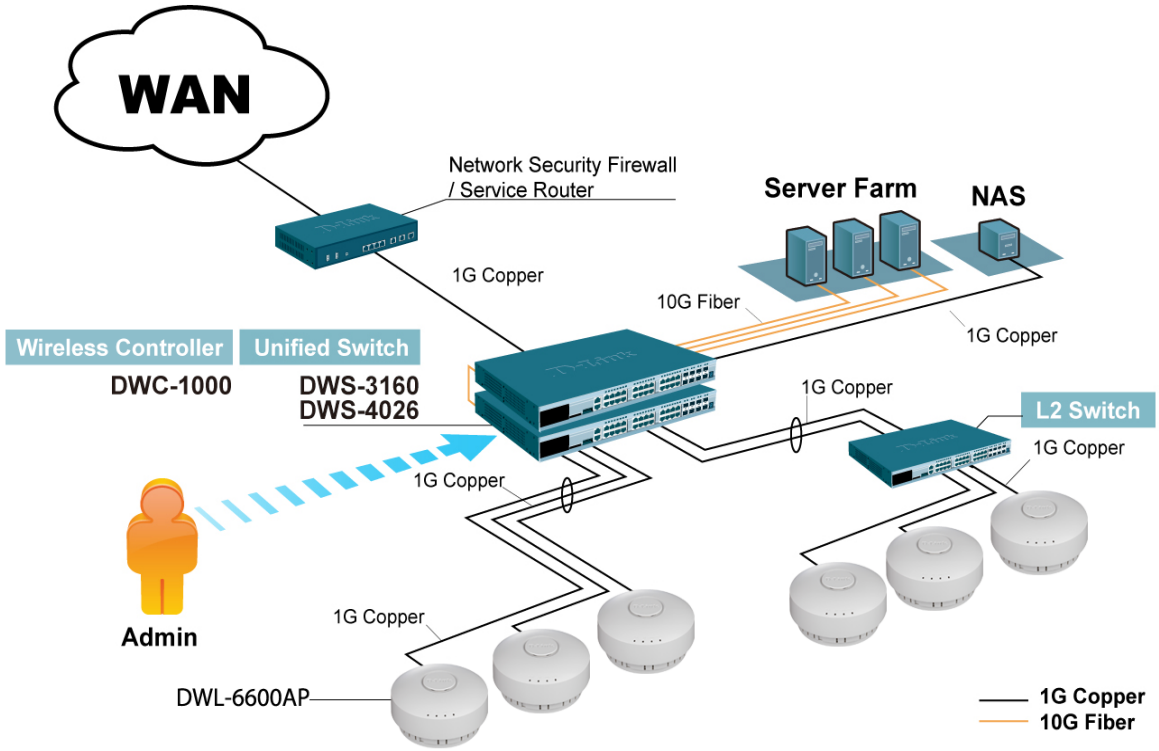
Security
The DWL-6600AP supports the latest standards in Wi-Fi security, including WEP, WPA, WPA2, and 802.1X. In addition, the DWL-6600AP supports up to 16 virtual access points (VAP) per radio, for a total of 32 VAPs, which allows the administrator to assign different access privileges to different 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 and Wireless Controllers, the security can be raised to a new level.

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[2], 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



Unified N Concurrent Dual-band PoE Access Point

Technical Specifications

System	Wi-Fi Interface	802.11a/b/g/n 2.4/5.0 GHz
	LAN Interface	10/10/100 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 to 130 Mbps (20 MHz) 6.5 to 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	5.0 GHz	12 Non-Overlapping Channels for US and Canada 8 Non-Overlapping Channels for Japan 19 Non-Overlapping Channels for EU 5 Non-Overlapping Channels for China
	2.4 GHz	11 channels for United States 13 channels for Europe 13 channels for Japan
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
System Management	Web-based User Interface	HTTP/ HTTPS
	Command Line	SNMP, SSH, Telnet
Power	Power Adapter	12 V 1 A
	Power over Ethernet	48 V DC +/- 10 %
Physical	Enclosure Type	PC or plenum-rated chassis
	Enclosure Size (H x D)	77.5 x 156 mm (3.05 x 6.14 inches)
	Weight	0.5 kg (1.1 pounds)
	Operating Temperature	0 to 40 °C (32 to 104 °F)
	Operating Humidity	10% to 90% non-condensing
	MTBF	497,476 hours
Regulatory Compliance	Safety	cUL, LVD (EN60950-1), UL2043 [2]
	EMI/EMC/RF	EN60601-1-2, FCC Class B, CE Class B, C-tick, IC, VCCI, NCC, TELEC, Wi-Fi®

Unified N Concurrent Dual-band PoE 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	✓	—

Optional Products

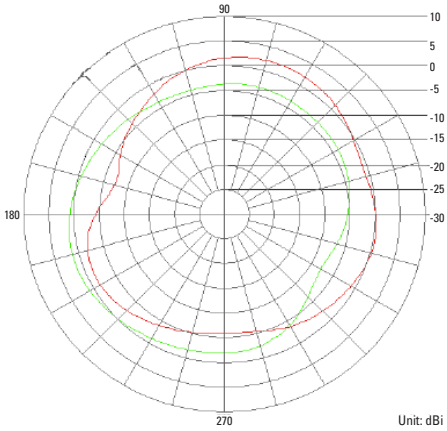
Optional D-Link accessories

ANT70-0500	2.4/5.0 GHz Dual-Band Antenna
DPE-101GI	1-port Gigabit PoE Injector

[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] Plenum-rated sku only.

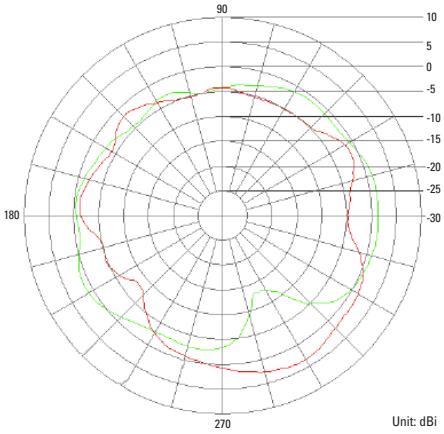
H-Plane Total Gain Pattern

Ant 1 and Ant 2 at 2.4 G



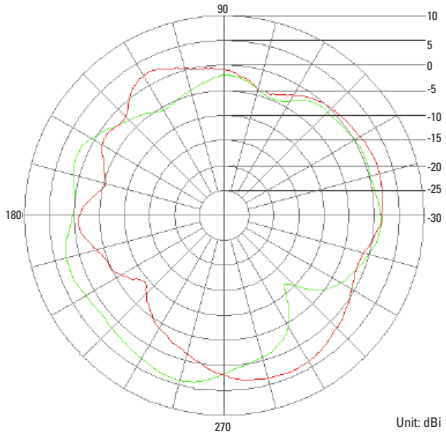
Ant 1 —
Ant 2 —

Ant 3 and Ant 4 at 5.2 G



Ant 3 —
Ant 4 —

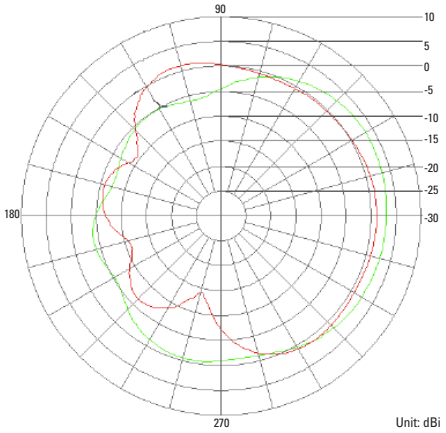
Ant 3 and Ant 4 at 5.8 G



Ant 3 —
Ant 4 —

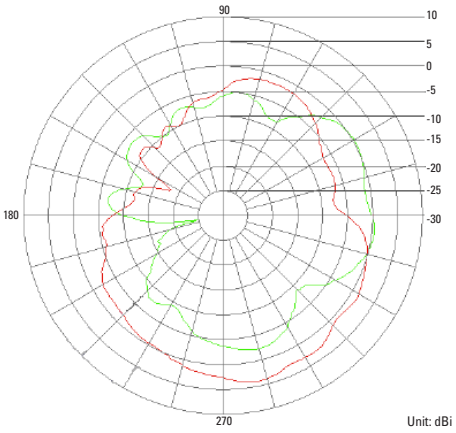
V-Plane Total Gain Pattern

Ant 1 and Ant 2 at 2.4 G



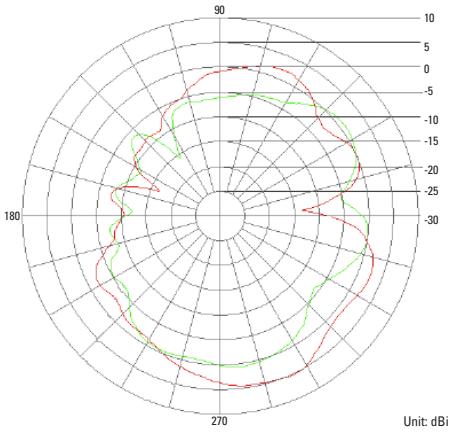
Ant 1 —
Ant 2 —

Ant 3 and Ant 4 at 5.2 G



Ant 3 —
Ant 4 —

Ant 3 and Ant 4 at 5.8 G



Ant 3 —
Ant 4 —