For Business-Class Environments

+ Water/dustproof IP65 Standard[6]
+ Embedded Dual Band Antennas
+ Connectors for Optional High Gain Antennas

Multiple Operation Modes

+ Access Point
+ WDS with AP
+ WDS
+ Wireless Client
+ WISP Client Router

High Performance Connectivity

+ Dual Band Technology (2.4GHz and 5GHz)
+ IEEE 802.11n draft Wireless Standard
+ Up to 300Mbps Wireless Speed [1]

Advanced Security Features

+ Multiple SSID and 802.1Q VLAN Support
+ WPA/WPA2-Enterprise/Personal
+ WPA-PSK/AES over WDS
+ 64/128-bit WEP Encryption
+ MAC Address Filtering
+ Rogue AP Detection
+ NAT/Firewall in WISP Client Router mode

Convenient Outdoor Installation

+ 802.3af Power over Ethernet (PoE) Support
+ Locking Brackets Included

Easy Management

+ Web Browser (HTTP, HTTPS)
+ Telnet/SSH
+ SNMPv1/v2c/v3
+ AP Manager II Software Included
+ D-View 6.0

Wireless N Dual Band Exterior Access Point

The DAP-3520 Wireless N Dual Band Exterior Access Point is the ideal solution for outdoor users that need network and Wi-Fi Internet access at all times. Designed especially for outdoor environments, the DAP-3520 is compatible with a large range of wireless devices due to its support of the 802.11a/b/g and 'N' (draft) standards.

High Speed Dual Band Technology
Reach wireless speeds of up to 300Mbps using the wireless 'N' draft standard.[1] The DAP-3520 also enables you to switch between 2.4GHz and 5GHz bands expanding the possibilities of your network while also maintaining backwards compatibility.

Powerful & Durable Outdoor Solution
The DAP-3520 is designed to handle a wide variety of outdoor environments. It has a die-cast watertight housing, a built-in heater and a temperature sensor. Supporting 802.3af Power over Ethernet (PoE), it can be placed at outdoor locations where power outlets are not easily accessible. Besides functioning as an AP, this device can be can be configured to operate as a Wireless Distribution System (WDS) to act as a bridge for linking together networks in different buildings. It can also operate as a WISP Client Router and connect to a public wireless network to give you an Internet connection if ADSL/Cable is unavailable in your area.

Advanced Network Security
The DAP-3520 supports 64/128-bit WEP data encryption and WPA/WPA2 security functions. In addition, it provides MAC Address Filtering to control user access, and the Disable SSID Broadcast function to limit outsiders' access to the internal network.

Network Flexibility and Efficiency
The DAP-3520 supports up to 4 SSID, allowing the administrators to logically divide the access point into several virtual access points all within a single hardware platform. Rather than having separate networks with several access points, administrators can deploy one single AP to support more than one application, such as public Internet access and internal network control to increase flexibility and keep costs down. The DAP-3520 supports 802.1Q VLAN Tagging, operating with multiple SSID to segment traffic to enhance performance and security. The DAP-3520 provides WLAN STA partitioning, a function useful for deployments such as hot spots. With station-to-station partitioning enabled, security is enhanced, since wireless users cannot peek at each other, and the possibility for data thievery is reduced. Administrators can, however, disable this function, so wireless users at an office can share hard disks and information, and peripherals such as wireless printers. The DAP-3520 also supports AP grouping, allowing several access points to balance wireless network traffic and wireless clients among the AP with the same SSID and different non-overlapping frequency channels.

Network Management
Network administrators can manage DAP-3520 settings via web-based configuration and Telnet. Administrators can also use a Windows-based utility called AP Manager II to automatically locate all wireless devices installed on the network and do bulk configuration of multiple APs to save time and effort. Additionally, D-Link's D-View 6.0 can also be used.

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Technical Specifications

Standards	+ IEEE 802.11a/b/g WLAN + IEEE 802.11n (draft) WLAN + IEEE 802.3/802.3u Ethernet + IEEE 802.3x Flow Control (for Ethernet)
Ethernet Interface	+ 10/100/1000 BASE-TX Ethernet port with 802.3af PoE and auto-MDI/MDIX support

Operating Frequency	For 802.11a:
	  + 5150 to 5350MHz
	  + 5470 to 5725MHz
	  + 5725 to 5850MHz (for Europe)
	For 802.11b:
	  + 2400 to 2497MHz
	For 802.11g:
	  + 2400 to 2483.5MHz
	For 802.11n (draft):
	  + 2400 to 2483.5MHz (2.4 GHz band)
	  + 5150 to 5825MHz (5 GHz band)

Channel Numbers	+ 11 Channels (FCC) + 13 Channels (ETSI)
Maximum Transmit Output Power [2]	+ 18dBm@2.4GHz + 17dBm@5GHz
Antennas	Embedded Dual Band antennas (8dBi for 2.4GHz, 10dBi for 5GHz) Two RN-P N type connectors for optional antennas[5]
Security	+ 64/128-bit WEP data encryption + WPA-PSK, WPA2-PSK + WPA-EAP, WPA2-EAP + TKIP, AES support + MAC address filtering user access + WLAN STA partitioning + Multiple SSID for network segmentation + SSID broadcast disable function + 802.1Q VLAN Tagging + Rogue AP detection + NAT/Firewall (WISP Client Router mode)
Quality of Service	+ Wireless Multimedia (WMM)
Configurable Operation Modes	+ Access Point + WDS with AP + WDS + Wireless Client + WISP Client Router
Performance Enhancement	+ AP grouping for load balance

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Device Management	+ Web Browser Interface:
	  - HTTP
	  - Secure HTTP (HTTPS)
	+ AP Manager II
	+ SNMP support:
	  - D-View module (D-View 6.0)
	  - Private MIB
	+ Command Line Interface:
	  - Telnet
	  - SSH

Diagnostic LEDs	+ Power + LAN + WLAN
Accessories Provided for Outdoor Installation	+ PoE base unit + Ethernet cable (4 meters long) + Set of grounding wires + Wall mount + Pole mount (option) [3]
Operating Voltage	48VDC +/- 10% for PoE
Dimensions	+ 190 (L) x 160 (W) x 55 (H) mm
Weight	+ 774g (Without mounting kit)
Operating Temperature	-20˚ to +60˚ C
Storage Temperature	-20˚ to +65˚ C
Operating Humidity	10% to 90% non-condensing, all-weather enclosure
Regulation Certification	+ FCC Class B + CE + IP 65 + C-Tick + CSA International + Wi-Fi® a/b/g/n

[1] 300Mbps is the maximum theoretical wireless signal rate when using multiple MIMO antennas (derived from 802.11n draft specifications). Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate. Environmental conditions will adversely affect wireless signal range.

[2] Maximum power setting will vary according to individual country regulations.

[3] This device can be mounted on a pole using an optional mounting kit (part number B15900-0033000).

[4] Embedded patch antennas will be disabled when optional antennas are connected.

[5] IP65 standard means the device is protected from dust and low pressure jets of water from all directions - limited ingress permitted. It is recommended to place this device under a roof.