

## Product Highlights

### Enhanced Performance

Increase network connectivity for smartphones, notebooks, or other portable devices with better coverage and faster wireless speeds

### Multiple Operational Modes

Functions as an access point, wireless distribution system (WDS), WDS with AP, repeater, wireless client, WISP client router, and WISP repeater

### Full Featured Security

Includes industry standard wireless encryption along with support for multiple SSIDs and VLANs, allowing for complete control over network access



## DAP-3310

# Wireless N Exterior Access Point

## Features

### For Business-Class Environment<sup>1</sup>

- 2.4 GHz 802.11n Connectivity for Increased Network Capacity
- High Power Radio Design<sup>2</sup>
- Built-in High Gain Sector Antenna
- Waterproof IPX6 Standard<sup>3</sup>

### High Performance Connectivity

- Wireless 802.11n/g/b, compatible with 802.11b and 802.11g devices
- Up to 300 Mbps<sup>4</sup>
- Two 10/100 Ethernet ports

### Trusted Security Features

- WPA/WPA2-Personal/Enterprise
- 64/128 bit WEP Encryption
- 802.1x
- MAC Address Filter
- Client Isolation
- User Limit

### Convenient Installation

- Proprietary PoE Design
- PoE Passthrough<sup>5</sup>
- Wall/Pole Mount Included

The DAP-3310 Wireless N Exterior Access Point is the ideal solution for expanding the coverage and signal strength of any wireless network. Built to withstand harsh environments, the DAP-3310 also excels in connecting separate networks that cannot be joined physically using traditional medium. Multiple operating modes, network management tools, and security features gives network administrators a wide range of choices for deploying the device, allowing for the addition of increased connectivity to wireless network-enabled devices.

## Increased Network Connectivity And Throughput

Expand current wireless network capacity with the latest 2.4 GHz 802.11n wireless connectivity. In addition, two 10/100 Ethernet ports (one supporting PoE) allow for further physical expansion using traditional wired medium. The built-in 10 dBi sector antenna has a high power output<sup>6</sup> ensuring that wireless coverage will cover even hard to reach locations. Whether you want to connect additional wireless devices such as smartphones or laptops, or bringing connectivity to networks separated by short distances, the DAP-3310 has it covered.

## Flexible Deployment Options

The DAP-3310 features seven multiple operation modes, allowing it to adapt to any situation. As a standard wireless access point (AP) the DAP-3310 can connect to a wide range of devices that are 802.11n/g/b compliant. In wireless distribution system (WDS) mode it can expand current wireless coverage without the need for a wired backbone link.<sup>7</sup> As a wireless client it can connect to an existing AP and expand the network physically with the two built-in 10/100 Ethernet ports. Repeater mode will extend current wireless coverage eliminating dead spots and weak signals. WISP mode functionality includes the ability to function as a client or repeater.

### Fine-Tuned Control Over Network Resources.

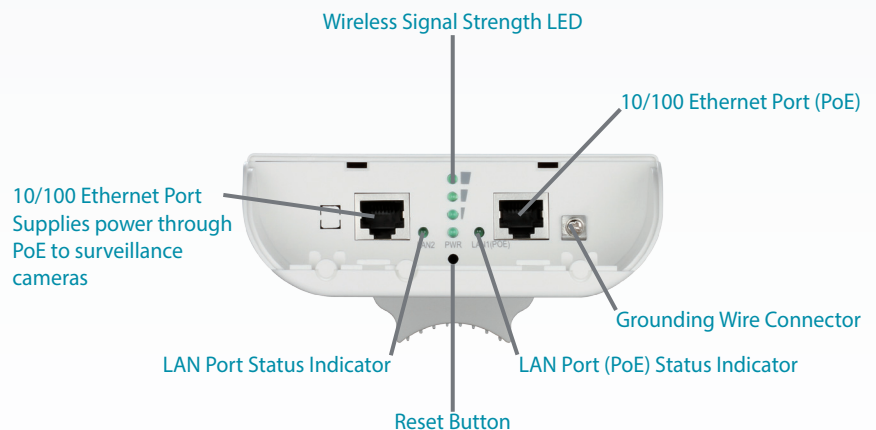
The DAP-3310 supports up to 8 SSIDs, allowing the administrators to logically divide the access point into several virtual access points all within a single hardware platform. Rather than having separate networks with several access points, administrators can deploy one single AP to support more than one application, such as public Internet access and internal network control to increase flexibility and keep costs down. The DAP-3310 supports 802.1Q VLAN Tagging, operating with multiple SSIDs to segment traffic to enhance performance and security. The DAP-3310 provides WLAN partitioning, a useful function for deployments such as wireless hot spots. With station-to-station partitioning enabled, security is enhanced, since wireless users cannot peek at each other, and the possibility for data theft is reduced.

### Robust Security And Management Tools

The DAP-3310 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 administrators have multiple options for managing the DAP-3310 including HTTP and HTTPS. For advanced network management, administrators can use SNMPv1, v2c, v3 to configure and manage access points.

### Power over Ethernet (PoE)

The DAP-3310 is powered by PoE<sup>5</sup> which allows for convenient installation, especially in places where a power supply is not reliable or power cables are not available or easily set up. Also, the DAP-3310 can supply power to a connected D-Link surveillance camera through PoE, including the DCS-3716, DCS-6113, and DCS-7110 cameras.



## Technical Specifications

### General

|                    |  |   |
|--------------------|--|---|
| Device Interfaces  | <ul style="list-style-type: none"> <li>• 802.11n/g/b wireless</li> <li>• Reset button</li> </ul> | <ul style="list-style-type: none"> <li>• Two 10/100 Ethernet port (one supports PoE)</li> <li>• Grounding wire connector<sup>8</sup></li> </ul> |
| LED                | <ul style="list-style-type: none"> <li>• Power</li> <li>• LAN</li> </ul>                         | <ul style="list-style-type: none"> <li>• Wireless Signal Strength<sup>9</sup></li> </ul>  |
| Antenna            | <ul style="list-style-type: none"> <li>• 10 dBi Sector Antenna</li> </ul>                        |   |
| Wireless Frequency | <ul style="list-style-type: none"> <li>• 2.4 GHz</li> </ul>                                      |   |
| Standards          | <ul style="list-style-type: none"> <li>• IEEE 802.11 b/g/n</li> <li>• IEEE 802.3u</li> </ul>     | <ul style="list-style-type: none"> <li>• IEEE 802.3</li> </ul>  |

# DAP-3310 Wireless N Exterior Access Point

| Functionality      |  |
|--------------------|--|
| Operation Mode     | <ul style="list-style-type: none"> <li>• AP</li> <li>• WDS</li> <li>• WDS with AP</li> <li>• Wireless Client</li> <li>• Repeater</li> <li>• WISP Repeater</li> <li>• WISP Client Router</li> </ul> |
| Network Management | <ul style="list-style-type: none"> <li>• Web Browser Interface</li> <li>• HTTP – Secure HTTP (HTTPS)</li> <li>• SNMP v1, v2c and v3</li> </ul>   |
| Security           | <ul style="list-style-type: none"> <li>• WPA2-Personal/Enterprise</li> <li>• WPA-Personal/Enterprise</li> <li>• WEP 64/128 bit Encryption</li> <li>• 802.1X</li> </ul>                             |
| SSID/VLAN          | <ul style="list-style-type: none"> <li>• Support for up to 8 SSIDs/VLANs</li> </ul>  |
| Physical           |  |
| Dimensions         | <ul style="list-style-type: none"> <li>• 48 x 96 x 165 mm (1.88 x 3.77 x 6.49 inches)</li> </ul>   |
| Weight             | <ul style="list-style-type: none"> <li>• 350 grams (0.77 lbs)</li> </ul>   |
| Power              | <ul style="list-style-type: none"> <li>• Input: 48 V 0.5 A</li> </ul>  |
| Temperature        | <ul style="list-style-type: none"> <li>• Operating: -20 to 60 °C (-4 to 140 °F)</li> <li>• Storage: -20 to 85 °C (-4 to 185 °F)</li> </ul>   |
| Humidity           | <ul style="list-style-type: none"> <li>• Operating: 0% to 90% non-condensing</li> <li>• Storage: 5% to 95% non-condensing</li> </ul>   |
| ESD Protection     | <ul style="list-style-type: none"> <li>• 15 kV</li> </ul>  |
| Certifications     | <ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> </ul>  |
| Order Information  |  |
| <i>Part Number</i> | <i>Description</i>   |
| DAP-3310           | Wireless N Exterior Access Point   |

<sup>1</sup> Limited warranty (12 months) and no D-Link afterservice.

<sup>2</sup> Maximum power setting will vary according to individual country regulations.

<sup>3</sup> IPX6 standard means the device is protected from low pressure jets of water from all directions - limited ingress permitted. It is recommended to place this device under a roof, shelter or in weather-proof box when in severe weather environment.

<sup>4</sup> Maximum wireless signal rate derived from IEEE Standard 802.11g, and 802.11n 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 factors will adversely affect wireless signal range.

<sup>5</sup> Provides a secondary Ethernet port with POE output for supported D-Link IP cameras. The supported cameras include D-Link DCS-3716, DCS-6113, and DCS-7110.

<sup>6</sup> Maximum power output varies in each country depending on local power regulations.

<sup>7</sup> Cannot build WDS with AirPremierN series APs.

<sup>8</sup> Grounding wire is not included in package content and we suggest using 16 -18 AWG grounding wire for normal lightning and electricity current.

<sup>9</sup> LED Signal Strength Indication is only supported in Wireless Client, Repeater, WDS and WISP modes.

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