D-Link
Building Networks for People

Product Highlights

Flexible Operation

Configure to use as an Access Point, a Wireless Distribution System (WDS) with Access Point, a WDS Bridge, or a Wireless Client

Full Featured Security

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

Rugged Construction

IP55 weatherproof housing and weathershield[2] makes the DAP-3320 ideal for demanding networking environments

DAP-3320

Wireless PoE Outdoor Access point

Features

For Business-Class Environment

- 2.4 GHz 802.11n Connectivity for Increased Network Capacity
- High Power Radio Design[1]
- Built-in 2 dBi Omni Antenna[1]
- Waterproof IP55 Standard[2]

High Performance Connectivity

- Wireless 802.11n/g/b, compatible with 802.11b and 802.11g devices
- Up to 300 Mbps wireless throughput[3]
- 10/100BaseT Ethernet port

Advanced Security Features

- Traffic Control/QoS
- Internal RADIUS server
- Web redirection
- WPA/WPA2 - Enterprise/Personal
- WPA2 - PSK/AES over WDS
- MAC address filtering
- ARP spoofing prevention
- WLAN partition

Convenient Installation

- Supports 802.3af Power over Ethernet
- Wall/Pole Mounting Kit Included

The DAP-3320 Wireless PoE Outdoor Access point is the ideal solution for expanding the coverage and signal strength of any wireless network. Built to withstand outdoor environments, the DAP-3320 also excels in connecting separate networks that cannot be joined physically using traditional medium. Multiple operating modes, network management tools, and security features give network administrators a wide range of choices for deploying the device, allowing for the addition of wireless network-enabled devices.

Increased Network Connectivity And Throughput

Expand current wireless network capacity with 2.4 GHz 802.11n wireless connectivity. The built-in 2 dBi omni antenna[1] ensures that wireless signal will cover a wide area. Whether you want to connect additional wireless devices such as smartphones or laptops, or bringing connectivity to networks separated by short distances, the DAP-3320 has it covered.

Flexible Deployment Options

The DAP-3320 features four operation modes, allowing it to adapt to any situation. As a standard wireless Access Point (AP), the DAP-3320 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. As a Wireless Client it can connect a non-wireless capable device to an existing AP. In addition, the DAP-3320 is powered by PoE which allows for convenient installation, especially in places where a power supply is not reliable or power cables are not available or easily installed.

Fine-Tuned Control Over Network Resources.

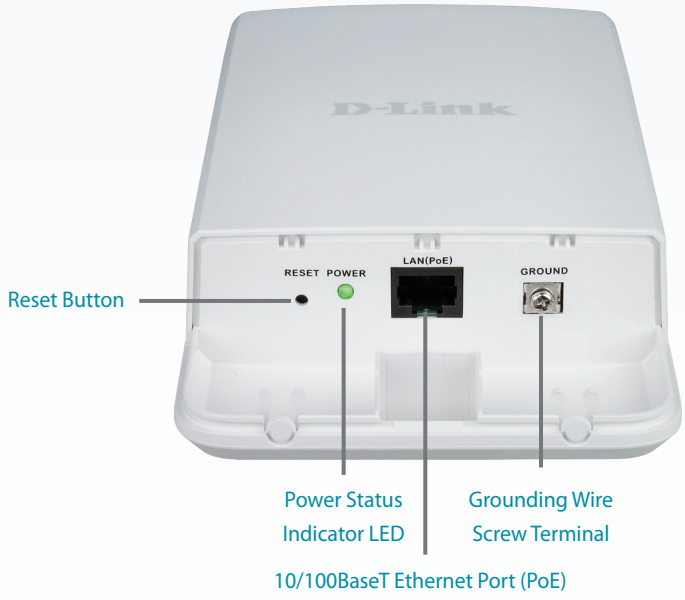
The DAP-3320 supports up to 8 SSIDs, allowing administrators to logically divide the access point into several virtual access points all within a single hardware platform. Rather than having separate networks with several access points, administrators can deploy one single AP to support more than one application, such as public Internet access and internal network control to increase flexibility and reduce costs. The DAP-3320 supports 802.1Q VLAN tagging,

operating with multiple SSIDs to segment traffic to enhance performance and security. The DAP-3320 provides WLAN partitioning, a useful function for deployments such as wireless hot spots. With station-to-station partitioning enabled, security is enhanced, since wireless traffic is isolated from each other, and the possibility for data theft is reduced.

Robust Security And Network Management Tools

The DAP-3320 supports 64/128-bit WEP data encryption and WPA/WPA2 security functions as well as 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-3320, including web (HTTP), Secure Socket Layer (SSL), Secure Shell (SSH), and Telnet. For advanced network management, administrators can use the D-Link Central WiFiManager to configure and manage multiple access points from a single location. In addition, the D-Link Central WiFiManager provides network administrators with the means of conducting regular maintenance checks remotely, eliminating the need for sending out personnel to physically verify proper operation.

The DAP-3320 has a wireless scheduler feature, which turns off wireless functionality when it isn't needed, saving power. With its high output power design, PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the DAP-3320 provides small to medium business and enterprise environments with a business-class solution for deploying a wireless network.



Technical Specifications

General

Device Interfaces	• 802.11n/g/b wireless • Reset Button	• 10/100BaseT PoE Ethernet Port • Grounding Wire Connector
LED	• Power	
Antenna	• 2 dBi Antenna	
Maximum Transmit Power Ouput	• 29.55 dBm (901 mW)[1]	
Data Signal Rate	• 2.4 GHz • Up to 300 Mbps[3]	
Standards	• IEEE 802.11 b/g/n • IEEE 802.3u	• IEEE 802.3 • IEEE 802.3af

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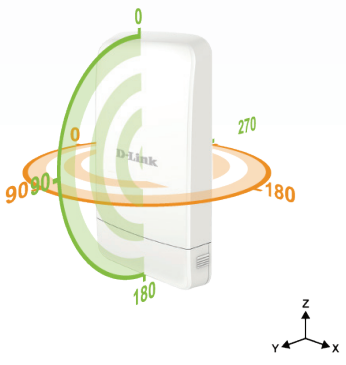
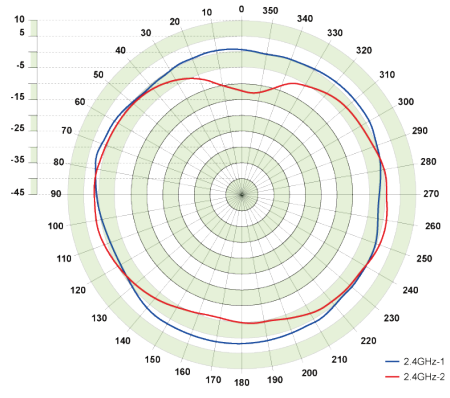
DAP-3320 Wireless PoE Outdoor Access point

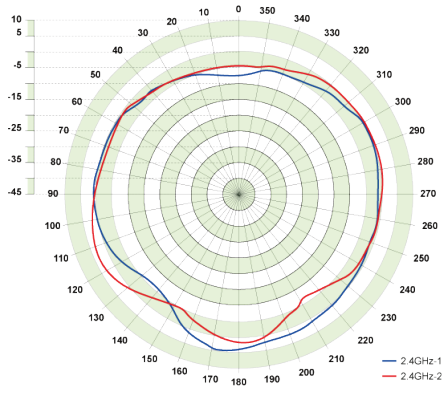
Functionality		
Operation Mode	• AP • WDS	• WDS with AP • Wireless Client
Network Management	• Web Browser Interface • HTTP, Secure HTTP (HTTPS) • Telnet, Secure Shell (SSH) • D-Link Central Wi-Fi Manager	• SNMP v1, v2c and v3 • Traffic Control • AP Array Security
Security	• WPA2-Personal/Enterprise • WPA-Personal/Enterprise • WEP 64/128 bit Encryption • 802.1x	• SSID Broadcast Disable • MAC Address Control • Network Access Protection
SSID/VLAN	• Support for up to 8 SSIDs/VLANs	
Physical		
Dimensions	• 105.43 x 228.6 x 35.86 mm (4.15 x 9.00 x 1.41 inches)	
Weight	• 370.4 grams (13.07 ounces)	• 384.25 grams (13.55 ounces) with mounting bracket
Power Input	• 48 V, 0.5 A or 802.3af PoE compliant	
Temperature	• Operating: -20 to 60 °C (-4 to 140 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 0% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Surge Protection	• 4 kV	
ESD Protection	• 15 kV	
Certifications	• CE [4] • UL • Wi-Fi Certified	• FCC • IC

Antenna Patterns

Orientation	*H-Plane*	*E-Plane*
2.4 GHz Wall Mounted		







DAP-3320 Wireless PoE Outdoor Access point

Order Information	
Part Number	*Description*
DAP-3320	Wireless PoE Outdoor Access point

[1] Maximum power output varies in each country depending on local power regulations.
[2] IP55 standard effective against low pressure jets of water from all directions without harmful effects. It is recommended to place this device under a roof, shelter or in weather-proof box when in severe weather environment.
[3] 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.
[4] For the EU region, this product is compliant with CE regulations and operates within the following frequency range: 2.4 - 2.4835 GHz.

Updated 2016/06/24

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