

## Product Highlights

### D-Link Nuclias Cloud Management

Extensive range of management functions can be performed centrally and hassle-free, through the Nuclias cloud management platform

### Business-Class 802.11ac Wave 2 Connectivity

Increase your network capacity with lightning-fast dual-band 802.11ac Wave 2 wireless, smart load balancing, and PoE-ready Gigabit Ethernet

### Zero-Touch Deployment

Cloud-based auto-configuration allows for swift plug-and-play installation and eliminates the need for on-site setup



## DBA-2520P

# Nuclias Wireless AC1900 Wave 2 Cloud-Managed Access Point

## Features

### D-Link Nuclias Cloud Management (1-year license included)


- Centralised cloud-based management
- Zero-touch deployment
- Unlimited scalability with no limitation on the number of supported APs
- Intuitive web and app-based interface
- Real-time at-a-glance network information
- Management of multiple sites and devices through single pane of glass
- Over-the-air firmware updates through the cloud
- Instant alerts and notifications

### Best-in-class Built for Enterprise Access Point

- IEEE 802.11ac Wave 2 wireless
- 3 x 3 MU-MIMO with four spatial streams
- Up to 1,900 Mbps<sup>2</sup> throughput
- Supports IEEE 802.3at Power over Ethernet (PoE)
- Integrated DHCP server
- WPA/WPA2-Personal/Enterprise Support
- WPA3 Support
- Supports RADIUS client and Cipher negotiation
- Supports Link Aggregation

The DBA-2520P Nuclias Wireless AC1900 Wave 2 Cloud-Managed Access Point is a high-performance indoor access point designed specifically for SMB, retail, hospitality, campus, as well as managed service providers. It offers high combined data rates of up to 1,900 Mbps over 2 dedicated wireless bands and enhanced WPA3 wireless security.

The DBA-2520P can be easily deployed with zero-touch provisioning and controlled through Nuclias Cloud Management<sup>1</sup> via the web-browser portal or the Nuclias mobile app for tablets. Once connected, the DBA-2520P automatically retrieves configuration settings, enabling deployment at remote locations without an on-site network administrator. With D-Link Nuclias, businesses can now more effectively organise their entire wireless network, manage multiple APs simultaneously, and monitor live network statistics. This allows network administrators to focus more on providing reliable connectivity and services and spend less time managing devices.



## D-Link Assist

Next Business Day Service

### Complimentary Next Business Day Service, as Standard

Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a rapid-response technical support service that replaces faulty equipment quickly and efficiently. Maximising your uptime and giving you the confidence that instant support is only a phone call away.

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at [eu.dlink.com/services](http://eu.dlink.com/services)



is a complete cloud-managed networking solution for small to medium-sized organisations with one or more sites.

### How it works

Wi-Fi coverage and network capacity are provided by high-performance Access Points and Managed Switches deployed on site, while configuration and ongoing management can be carried out remotely through a web browser or tablet.

Zero-touch provisioning and centralised cloud-based control make the network simpler to install and easier to manage.

With Nuclias, network configurations and software updates are pushed to remote devices through the cloud, without the need to have specialised equipment or personnel onsite.

SSL encrypted, out-of-band network monitoring and management ensures secure connectivity whilst minimising bandwidth requirement.

### Main features

- Zero-touch provisioning
- Role-based administration
- Auditable change logs
- Authentication via customisable captive portal, 802.1x and RADIUS server
- Social login for Wi-Fi access supported
- Advanced traffic report and data analysis
- Intuitive web-based interface with multilingual support
- Automatic monitoring and alerts
- Over-the-web firmware upgrades
- Searchable network-wide event log
- Intuitive VLAN Configuration
- Cloud based RF Optimisation

Simpler to  
install and  
**easier to  
manage**



**Unlimited scalability of  
supported APs**



**Reporting  
and analytics**



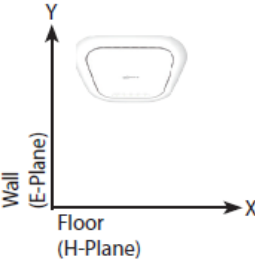
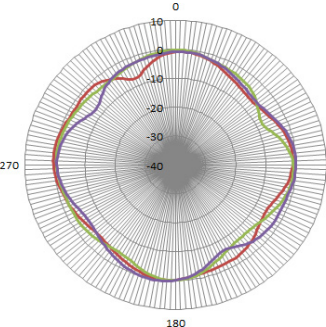
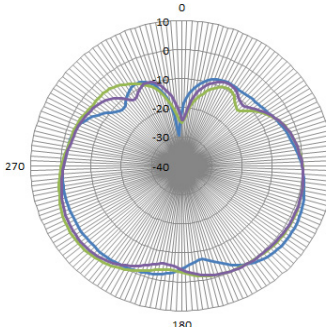
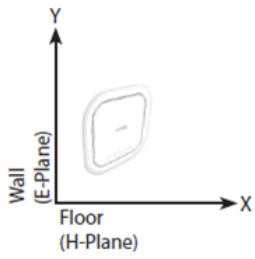
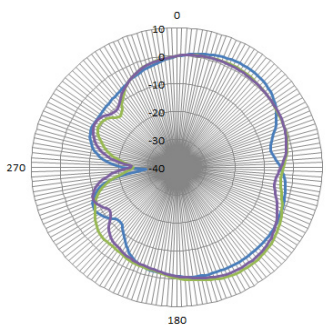
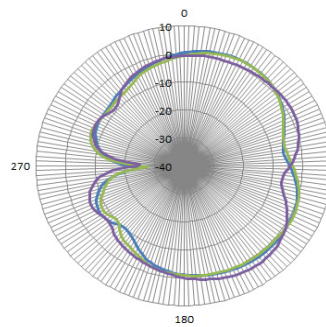
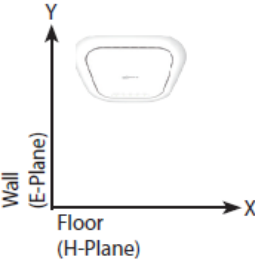
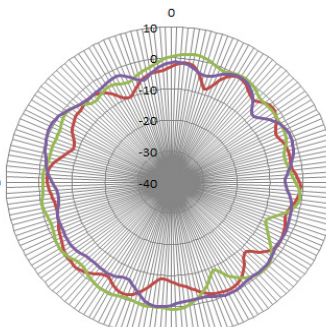
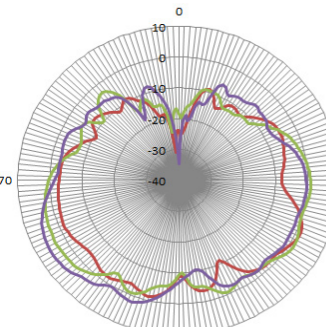
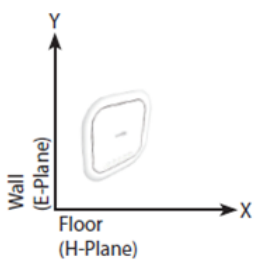
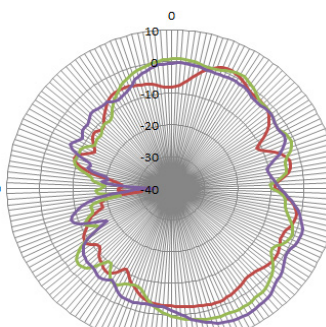
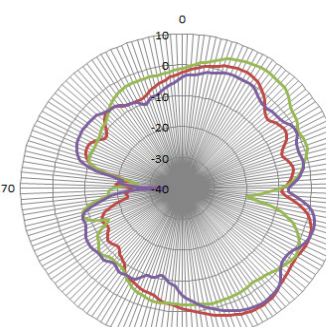
**Zero-touch  
provisioning**



**Pay-as-you grow  
Subscription**

# Wireless AC1900 Wave 2 Cloud-Managed Access Point

Technical Specifications		
<b>General</b>		
Interfaces	<ul style="list-style-type: none"> <li>• 2 x 10/100/1000 Mbps Ethernet PoE port</li> <li>• 1 x 10/100/1000 Mbps serial console port</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.11a/b/g/n/ac Wave 2 wireless</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11a/b/n/g/ac Wave 2</li> <li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li> <li>• IEEE 802.3at Power over Ethernet (PoE)</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3i/u/ab</li> <li>• IEEE 802.3x Flow Control</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• 2.4 GHz, 5 GHz, LAN 1, LAN 2, Power/Cloud</li> </ul>	
Antenna	<ul style="list-style-type: none"> <li>• Internal omnidirectional antennas               <ul style="list-style-type: none"> <li>• 2.4 GHz: 3 dBi</li> <li>• 5 GHz: 4 dBi</li> </ul> </li> </ul>	
Maximum Output Power	<ul style="list-style-type: none"> <li>• 2.4 GHz: 26 dBm</li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz: 26 dBm</li> </ul>
Data Signal Rate	<ul style="list-style-type: none"> <li>• 2.4 GHz: Up to 600 Mbps<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz: Up to 1300 Mbps<sup>2</sup></li> </ul>
<b>Functionality</b>		
Security	<ul style="list-style-type: none"> <li>• WPA3-Personal/Enterprise</li> <li>• WPA2-Personal/Enterprise</li> <li>• WPA-Personal/Enterprise</li> <li>• MAC address filtering</li> </ul>	<ul style="list-style-type: none"> <li>• SSID isolation</li> <li>• Guest isolation</li> <li>• Captive portal</li> <li>• Station isolation</li> </ul>
Maximum SSIDs	<ul style="list-style-type: none"> <li>• Supports up to 16 SSIDs per device</li> <li>• Up to 8 SSIDs per wireless band</li> </ul>	
<b>Physical</b>		
Dimensions	<ul style="list-style-type: none"> <li>• 224.5 x 223.85 x 50 mm</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• Without mount: 811 g</li> </ul>	
Power Input	<ul style="list-style-type: none"> <li>• IEEE 802.3at Power over Ethernet (PoE)</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter: 100 to 240 V AC, 50/60 Hz</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• PoE: 19.68 W</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter: 16.92 W</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: -20 to 65 °C (-4 to 149 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 95% non-condensing</li> </ul>
Mean Time Between Failure (MTBF)	<ul style="list-style-type: none"> <li>• 548,000 hours</li> </ul>	
Mounting Options	<ul style="list-style-type: none"> <li>• Ceiling mount</li> <li>• Wall mount</li> </ul>	<ul style="list-style-type: none"> <li>• Desktop (horizontal)</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE Class B</li> <li>• FCC Class B</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> <li>• IC Class B</li> </ul>

Antenna Pattern - DBA-2520P		
Orientation	H-Plane	E-Plane
<p>2.4 GHz Antenna Ceiling Mounted</p> 		
<p>2.4 GHz Antenna Wall Mounted</p> 		
<p>5 GHz Antenna Ceiling Mounted</p> 		
<p>5 GHz Antenna Wall Mounted</p> 		

# Wireless AC2600 Wave 2 Cloud-Managed Access Point

## Nuclias Cloud Network Solution Features

Scalability	<ul style="list-style-type: none"> <li>Unlimited number of APs can be supported</li> </ul>	
Out-of-band Cloud Architecture	<ul style="list-style-type: none"> <li>Allows only device management control packets between cloud controller and devices. This allows the network to stay up if the connection to the controller is lost.</li> <li>Client data traffic flows directly to the destination on the LAN or across the WAN.</li> </ul>	
Setup Highlights	<ul style="list-style-type: none"> <li>Zero-touch provisioning</li> <li>Centralised management of all network devices</li> </ul>	<ul style="list-style-type: none"> <li>Flexible WLAN group creation</li> </ul>
Wi-Fi Highlights	<ul style="list-style-type: none"> <li>Enterprise-class 802.11ac support</li> <li>Band steering</li> </ul>	<ul style="list-style-type: none"> <li>PSK (WPA/WPA2), 802.1x/RADIUS authentication</li> <li>SSID scheduling</li> </ul>
Guest Wi-Fi	<ul style="list-style-type: none"> <li>Open, click-through, PSK, captive portal</li> <li>Social login with Facebook and Google</li> <li>Multiple admin portal access privileges</li> </ul>	<ul style="list-style-type: none"> <li>SSID scheduling</li> <li>Free Wi-Fi access with time limit</li> </ul>
RF Features	<ul style="list-style-type: none"> <li>Channel and power control per device group</li> <li>Background scan of APs and clients</li> </ul>	<ul style="list-style-type: none"> <li>Client isolation</li> <li>Selected auto channel for both 2.4 and 5 GHz bands</li> </ul>
Security	<ul style="list-style-type: none"> <li>IP and MAC Filtering</li> <li>Rogue AP detection</li> <li>All traffic from AP to cloud is encrypted</li> <li>Client data traffic is locally terminated (not sent to the cloud)</li> </ul>	
Network Health Monitoring and Troubleshooting	<ul style="list-style-type: none"> <li>Single pane dashboard view of all connected devices and clients, with usage details</li> <li>Email notifications for network alerts</li> <li>Track individual Wi-Fi client data: signal strength, speed, association history</li> <li>Event logs sorted by venue, SSID, AP, client</li> </ul>	<ul style="list-style-type: none"> <li>Event logs for client joining, firmware upgrade, channel change, device online, device registration etc.</li> <li>Alarms generated for AP status</li> <li>Integrated ping and traceroute tools</li> <li>Visual LED to check for cloud connectivity</li> <li>Remotely reboot APs</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>Complete traffic report (per device group, AP, SSID, radio)</li> <li>Unique client report (tracking 2.4 vs 5 GHz clients over time)</li> <li>Report duration: up to 2 months (archived report duration can be customized based on local regulations)</li> </ul>	
IPv6 Readiness	<ul style="list-style-type: none"> <li>Future ready with full support for IPv6</li> </ul>	
Other Highlights	<ul style="list-style-type: none"> <li>Customisable management console</li> <li>Schedule-based over-the-web firmware upgrade</li> <li>Import floor plan to venue to visualize physical location of APs</li> </ul>	<ul style="list-style-type: none"> <li>Google Maps integration</li> <li>Multi-language support</li> <li>Responsive console design that auto fits viewing in different devices (laptops, tablets, mobile phones)</li> </ul>
Supported Hardware	<ul style="list-style-type: none"> <li>Access Points               <ul style="list-style-type: none"> <li>DBA-1210P (Dual-Band AC1300)</li> <li>DBA-2520P (Dual-Band AC1900)</li> <li>DBA-2820P (Dual-Band AC2600)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Switches               <ul style="list-style-type: none"> <li>DBS-2000-10MP (10-Port Gigabit, Max PoE)</li> <li>DBS-2000-28 (28-Port Gigabit)</li> <li>DBS-2000-28MP (28-Port Gigabit, Max PoE)</li> <li>DBS-2000-28P (28-Port Gigabit, PoE)</li> <li>DBS-2000-52 (52-Port Gigabit)</li> <li>DBS-2000-52MP (52-Port Gigabit, Max PoE)</li> </ul> </li> </ul>
Subscription Licenses	<ul style="list-style-type: none"> <li>DBA-WW-Y1-LIC</li> <li>Nuclias 1 Year Cloud Managed Access Point License</li> </ul>	<ul style="list-style-type: none"> <li>DBA-WW-Y3-LIC</li> <li>Nuclias 3 Year Cloud Managed Access Point License</li> </ul>

<sup>1</sup> Active D-Link Nuclias account and valid device license required. 1-year license included.

<sup>2</sup> Maximum wireless signal rate derived from IEEE Standard 802.11 and 802.11ac 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 may adversely affect wireless signal range.



For more information: [www.dlink.com](http://www.dlink.com)

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