

## 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

### Next Generation 802.11ax Wi-Fi 6 Connectivity

Increase your network capacity with lightning-fast dual-band 802.11ax, enhanced WPA3 Wi-Fi encryption, and PoE-ready 2.5G Ethernet

### Zero-Touch Deployment

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



## DBA-X2830P

# Nuclias AX3600 Wi-Fi 6 Cloud-Managed Access Point

## Features

### Next Generation Wi-Fi


- Latest 802.11ax Wi-Fi 6 wireless standard with increased connection speeds
- Up to 3.6 Gbps combined throughput<sup>2</sup>
- 4 x 4 MU-MIMO with 4 spatial streams
- Better performance in highly congested areas
- Optimised encoding, packing more data into the same radio waves
- WPA3-Personal/Enterprise

### 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
- Instant alerts and notifications

The DBA-X2830P Nuclias AX3600 Wi-Fi 6 Cloud-Managed Access Point brings next-generation Wi-Fi technology to SMB, retail, hospitality, campus, as well as managed service providers. By combining high-speed 802.11ax Wi-Fi with dual-band technology and 2.5G Ethernet, it provides lightning-fast access to bandwidth-intensive applications such as data, voice and video streaming, even in highly congested environments.

The DBA-X2830P 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-X2830P 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](https://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**

# Nuclias AX3600 Wi-Fi 6 Cloud-Managed Access Point

## Technical Specifications

### General

Interfaces	<ul style="list-style-type: none"> <li>• IEEE 802.11ax Wi-Fi 6</li> <li>• IEEE 802.11a/b/g/n/ac Wave 2 wireless</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x 10/100/1000/2500 Mbps Ethernet Port</li> <li>• 1 x 10/100/1000 Mbps Ethernet Port</li> <li>• 1 x RJ45 Console port</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11a/b/n/g/ac/ax</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>• Power/Cloud</li> <li>• 2.4 GHz</li> <li>• 5 GHz</li> </ul>	<ul style="list-style-type: none"> <li>• LAN 1 (PoE)</li> <li>• LAN 2</li> </ul>
Antenna	<ul style="list-style-type: none"> <li>• 4 x 4 Internal omni-directional 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: 20 dBm</li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz: 20 dBm</li> </ul>
Data Signal Rate	<ul style="list-style-type: none"> <li>• 2.4 GHz: Up to 1147 Mbps<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz: Up to 2402 Mbps<sup>2</sup></li> </ul>

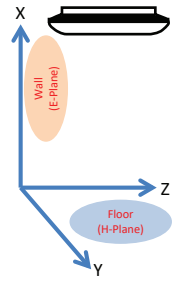
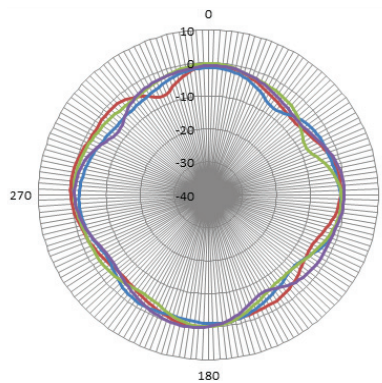
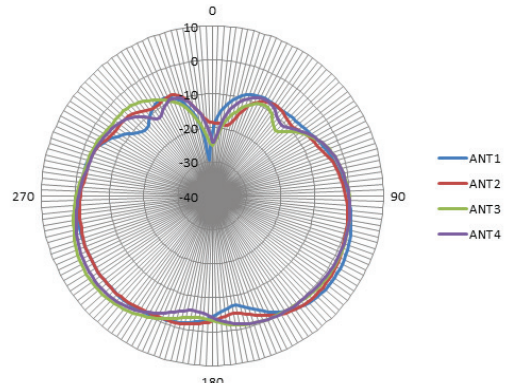
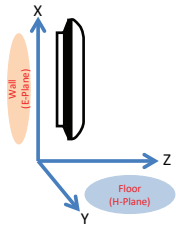
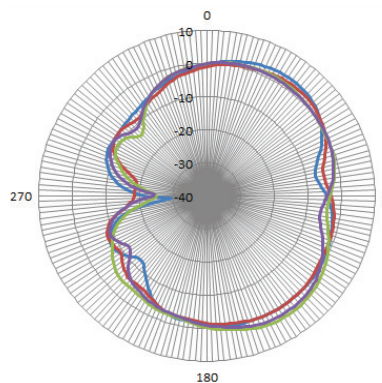
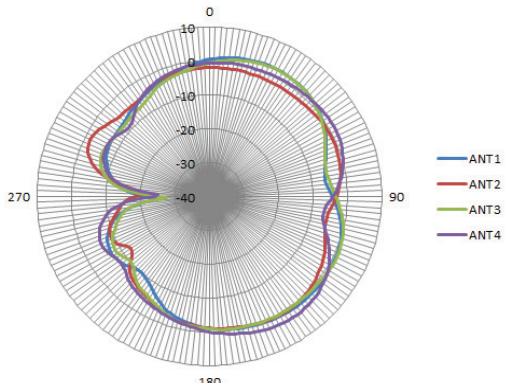
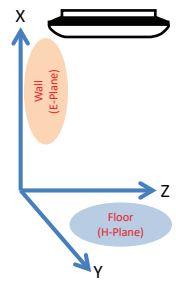
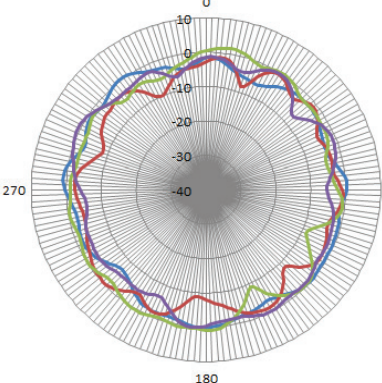
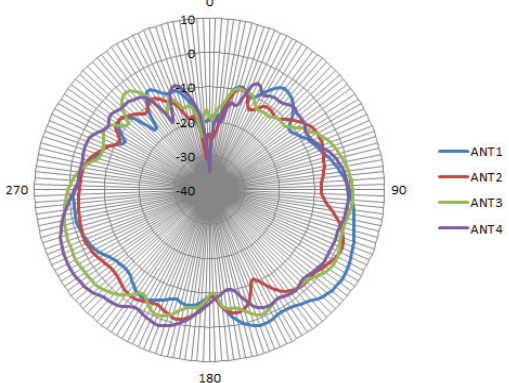
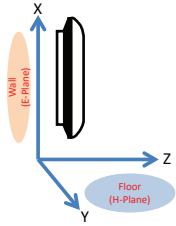
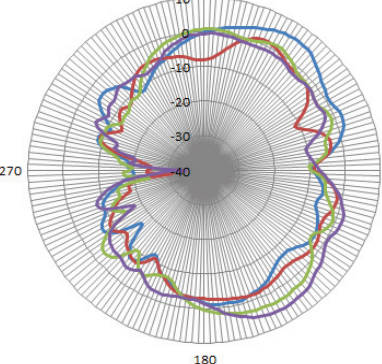
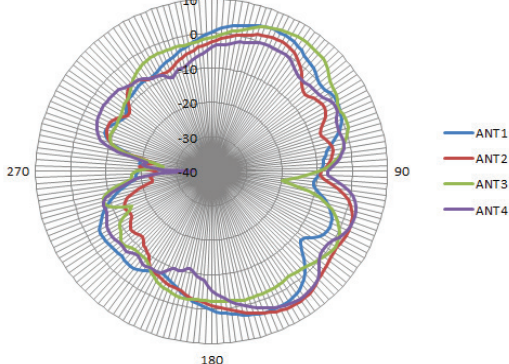
### Functionality

Security Features	<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> <li>• RADIUS server authentication</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 (up to 8 SSIDs per wireless band)</li> </ul>	

### Physical

Dimensions	<ul style="list-style-type: none"> <li>• 224.5 x 223.9 x 50 mm</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• Without mount: 935 g</li> </ul>	
Power Input	<ul style="list-style-type: none"> <li>• IEEE 802.3at Power over Ethernet (PoE) on LAN 1</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter (not included): 12 V DC, 2.5 A</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• PoE: 25.1 W</li> </ul>	<ul style="list-style-type: none"> <li>• Power adapter (not included): 27 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>• 485,000 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-2043</li> <li>• IC Class B</li> </ul>



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

## Nuclias AX3600 Wi-Fi 6 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> <li>DBA-X1230P (Dual-Band AX1800)<sup>3</sup></li> <li>DBA-X2830P (Dual-Band AX3600)</li> <li>DBA-3620P (Outdoor Dual-Band AC1300)</li> <li>DBA-3621P (Outdoor Dual-Band AC1300)</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 the IEEE Standard 802.11ax 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>3</sup> Available Q4 2020



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

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Updated July 2020

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