# Nuclias Cloud-Managed AC1750 Access Point

DBA-1510P

nuclias
cloud

Nuclias Cloud Overview

Nuclias Cloud is D-Link's complete, cloud-managed networking solution. It allows organizations with any level of IT resources the convenience of simple network deployment and configuration. Management and monitoring is as easy as ever. Troubleshooting is quick and painless. With Nuclias Cloud, scaling is accessible and can be done on an ad hoc basis. It's professional-grade networking, without the need for networking professionals.
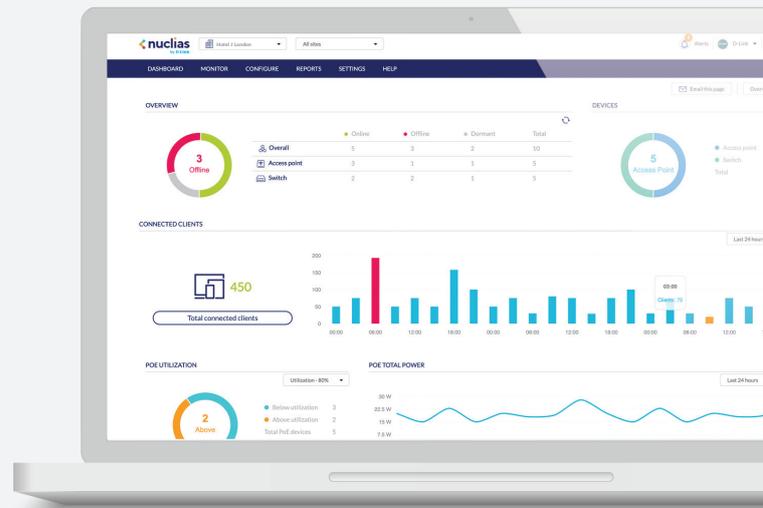
▲ Intuitive Dashboard Interface

Solution Features

- » Cloud Management
- » Zero-Touch Deployment
- » Intuitive Interface
- » Unlimited Scalability
- » Real Time Traffic Reporting & Analytics
- » Device Geolocation with Google Maps
- » Visualized Floor Maps
- » Automated Monitoring & Alerts
- » Multi-Tenant & Role-Based Administration

- » Band Steering
- » Bandwidth Optimization
- » Searchable Event Log and Change Log
- » Auto Channel Management
- » Authentication via Customizable Captive Portal, 802.1x and RADIUS Server
- » Social Login for Guest Wi-Fi Access
- » End-to-End Encryption
- » Over-the-Air Firmware Upgrades

Solution Benefits

1 / End-to-End Solution

Nuclias Cloud is a complete Cloud-based WLAN infrastructure solution that provides end to end control over every network device, on any site, in your cloud-managed network. D-Link's wide range of compatible devices offer a variety of capabilities at different price points. As a business driven solution, Nuclias includes a variety of enterprise tools. A customizable captive portal allows for a branded Wi-Fi experience, while reporting & analytics provide you the opportunity to better understand your network.

2 / Cloud Management

Cloud-based network management offers the flexibility and convenience you need. Admins can carry out various tasks using D-Link's centralized management platform via browser or app, anywhere with an internet connection. Unlimited device and site scalability, along with multisite management, allow you to manage a worldwide network from a centralized location. Zero Touch Deployment does away with repetitive device configuration by remotely pushing settings to devices. Furthermore, devices can be managed in batches or individually for more precise control. These features, plus more, all consolidated on a unified platform make management as simple and as hassle-free as it should be.


▲ Deployment Scenarios

3 / In-Depth Analytics & Automated Reporting

Nuclias Cloud delivers a deeper understanding of your network and its users through automated traffic analytics and status reports. Traffic can be viewed on a network-wide scale, or down to individual devices. Insights derived from these reports can be used to further drive business value.

4 / Peace-of-Mind

Nuclias Cloud carries a 99.9% reliability SLA (Service Level Agreement) that ensures a constant access to cloud services. Device opperation will not be interupted in the event that cloud services are unavailable. End to end encryption, role & privilege-based access control, amongst a host of other security features work together to preserve the integrity of your network. Automation capabilities provide an additional level of convenience, including control of network parameters, alerting, reporting and firmware updates.
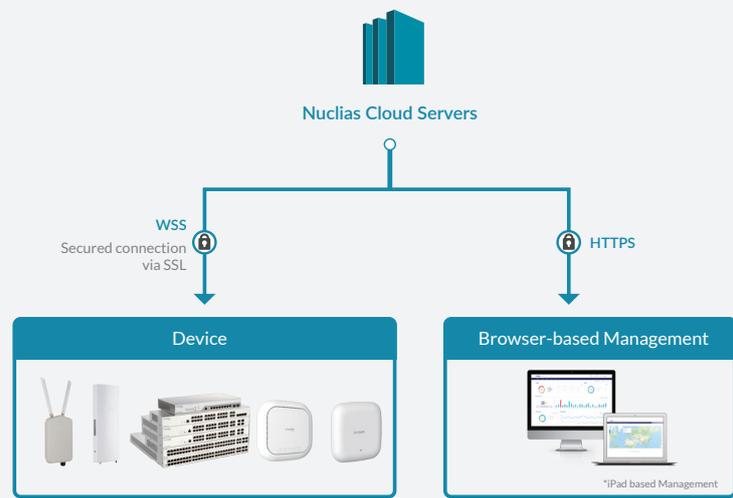
▲ End-to-End Encryption

5 / Ease of Use

Nuclias Cloud has an intuitive interface that is designed to maximize your productivity. Admins can access easy to grasp, at-a-glance details of their network environment. Batch configuration and multitenancy support streamlines administrators' work. Meanwhile, social-login, airtime fairness and bandwidth priority make life easier for users.
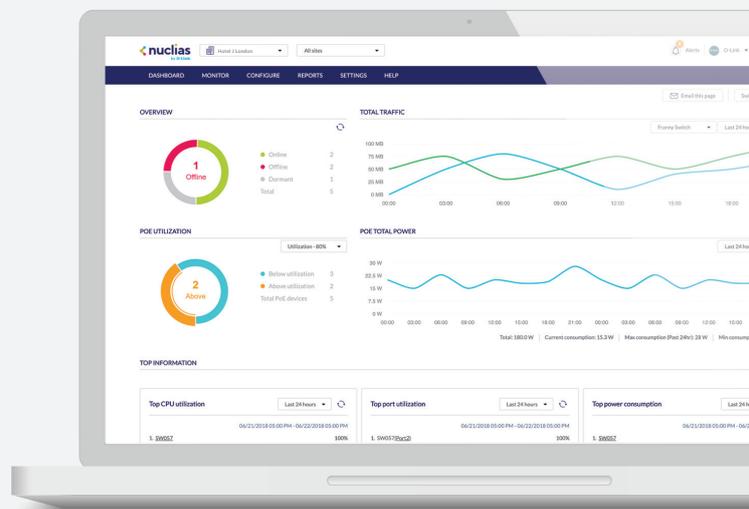
▲ Statistics – Network Analytics

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Product Overview

The DBA-1510P Nuclias Cloud-Managed AC1750 Access Point is deployed as a premanaged, zero-configuration access point controlled through the D-Link Nuclias Cloud. It is a best-in-class indoor access point designed specifically for enterprise environments. With 802.11ac dual-band concurrent 2.4 GHz and 5 GHz radios, the DBA-1510P offers high combined data rates to wireless clients allowing for lightning-fast access to bandwidth-intensive applications such as data, voice, and video streaming.

Best-in-class Built for Enterprise AP

- IEEE 802.11ac wireless
- Up to 1.75 Gbps[2] throughput
- IEEE 802.3az Energy-Efficient Ethernet (EEE)
- Integrated DHCP server
- Allows a high number concurrent users

Enterprise Security

- Personal and Enterprise versions of WPA/ WPA2 (802.11i)
- SSID/Guest/Station Isolation
- IP/MAC address filtering
- Captive Portal (Facebook, Google, Line, Weibo, E-mail auth.)
- Supports RADIUS client and Cipher negotiation

Power over Ethernet (PoE)

- Supports IEEE 802.3at PoE
- Convenience of using one cord for both power and Internet access
- Reduces installation and energy expenses
- Flexibility to install the DBA-1510P in places that don't have access to electrical infastructure, such as the ceiling

Extensive Management

- Powerful management, monitoring and troubleshooting functionality with Nuclias Cloud
- Remote Access via web browser
- Wireless scheduling to manage access point activity

Technical Specifications

General

Interfaces	• IEEE 802.11a/b/g/n/ac wireless • 1 x 10/100/1000 Mbps Ethernet PoE port	• RJ-45 serial console port
Standards	• IEEE 802.11a/b/n/g/ac • IEEE 802.3az Energy-Efficient Ethernet (EEE) • IEEE 802.3at Power over Ethernet (PoE)	• IEEE 802.3i/u/ab • IEEE 802.3x Flow Control
LEDs	• Power • LAN • Cloud	• 2.4 GHz • 5 GHz
Antenna	• Built-in 3 x 3 MIMO antenna	
Maximum Power Output	• 2.4 GHz: 15 dBm	• 5 GHz: 15 dBm
Data Signal Rate	• 2.4 GHz: Up to 450 Mbps[2]	• 5 Ghz: Up to 1300 Mbps[2]

Functionality

Security	• WPA2-Personal/Enterprise • WPA-Personal/Enterprise • IEEE 802.1X port-based network access control • MAC address filtering	• Station isolation • SSID isolation • Guest isolation • Captive portal
Maximum SSIDs	• Supports up to 16 SSIDs per device • Up to 8 SSIDs per wireless band	

Physical

Dimensions	• 220 x 220 x 35 mm (8.66 x 8.66 x 1.38 in)	
Weight	• Without mount: 852 g (1.88 lbs)	• With mount: 934 g (2.06 lbs)
Power Input	• IEEE 802.3at Power over Ethernet (PoE)	• Power adapter: 100 to 240 V AC, 50/60 Hz
Power Consumption	• PoE: 19.2 W	• Power adapter: 19.0 W
Temperature	• Operating: 0 to 40 ℃ (32 to 104 °F)	• Storage: -30 to 70 ℃ (-22 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Mean Time Between Failure (MTBF)	• 458,000 hours	
Mounting Options	• Ceiling mount • Wall mount	• Desktop (horizontal)
Hardware Security	• Kensington lock slot	• Security screw
Certifications	• VCCI Class B • FCC • CE • RoHS	• TELEC • REACH • WEEE

Antenna Pattern

Orientation	H-Plane	E-Plane
2.4 GHz Ceiling Mounted		
2.4 GHz Wall Mounted		
5 GHz Ceiling Mounted		
5 GHz Wall Mounted		

Warranty	
Warranty	Limited Lifetime Warranty
Order Information	
DBA-WW-Y1-LIC	1 Year Cloud License
DBA-WW-Y3-LIC	2 Year Cloud License
DBA-WW-Y5-LIC	3 Year Cloud License
Order Information	
Part Number	Description
DBA-1510P	Nuclias Cloud-Managed AC1750 Access Point

[1] Active D-Link Nuclias account and valid device license required.
[2] 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.

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