D-Link®

nuclias connect

Product Highlights

Standalone Centralised AP Management

Centrally manage up to 100 APs and smart managed switches with Nuclias Connect Hub, complete with a multi-tenant structure that provides multi-layer management authority

Comprehensive Network Management

Supports a full range of network management, security, monitoring and troubleshooting features as well as access management tools

Wide Selection of Access Points

Compatible with a wide range of wireless access points, including support for PoE and the latest 802.11ac Wave 2

DNH-100
Nuclias Connect Hub

Features

Simple and Cost-Effective

- Discover, manage, configure, and monitor up to 100 APs and smart managed switches per controller
- Cost-effective; no extra server needed for access point management
- Simply add more controllers when you want to scale up your network

Versatile Installation

- Rack-mountable
- Small form-factor for easy placement
- Integrated hardware controller and self-contained application server in one device

Nuclias Connect Centralised Management

- Powerful management, monitoring, and troubleshooting functionalities
- Local and multi-site access point management
- Reports system in place to administer and monitor wireless network
- Single sign-on (SSO) portal for centralised remote management of multiple Nuclias Connect Hubs
- Accessible through the downloadable app or standard web browser

The Nuclias Connect Hub is a standalone controller pre-loaded with the Nuclias Connect centralised network management software. Designed to support small-to-medium business and larger enterprise environments, the Nuclias Connect Hub provides network administrators with the capability to manage up to 100 access points and smart-managed switches through one single device. It features a comprehensive set of network management, security, monitoring and troubleshooting functionalities as well as multiple access management tools (captive portal, payment gateway integration and front desk ticket management).

The Nuclias Connect Hub is compatible with a wide range of indoor and outdoor wireless access points, including support for PoE and the latest 802.11ac Wave 2 standard, as well as smart managed switches with a variety of port configurations. Multiple Nuclias Connect Hubs can be centrally managed through the single sign-on portal, which can be accessed through the dedicated mobile app or via a web browser.

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**

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Flexibility to Meet Your Needs

Nuclias Connect Hub offers centralised monitoring and management of wireless APs and smart managed switches on your network. Network management is customisable, and enables control and analytics of a broad or fine granularity, presentable in a variety of formats. Additionally, network administrators can provide and manage multiple Nuclias Connect Hubs in distributed deployments through the Single-Sign On access, including the option to configure settings and admin accounts in a specific manner for each deployment. Nuclias Connect Hub gives you the financial and technical flexibility to expand from a small network to a larger one (up to 100 APs), while retaining a robust and centralised management system.

Insights at a Glance

Gain an extensive understanding of your network through usage analytics and status reports which can be viewed at a glance. Insights derived from traffic data can create business value. Traffic can be viewed across the entire network, to the level of a single AP or port.

Network Security & Data Privacy

Nuclias Connect balances the need for access convenience with the need for security. All communications over the system are encrypted, with your user data never leaving your possession. Additional security measures (such as firewalls) can also be added to your network, without undue technical difficulty.

Key Features

- Standalone device with pre-loaded Nuclias Connect software
- License-Free Centralised Management
- Backwards-Compatibility
- Intuitive Interface

- Inexpensive Hardware Controller
- Traffic Reporting & Analytics
- Remote Config. & Batch Config.
- Multi-Tenant & Role-Based Administration

- Searchable Event Log and Change Log
- Authentication via Customisable Captive Portal, 802.1x and RADIUS Server, POP3, LDAP, AD
- Multilingual Support
- Payment Gateway (Paypal) Integration and Front-Desk Ticket Management

Technical Specifications

General

Device Interfaces	1 x Gigabit LAN 1 x USB 3.0 (offers 5V / 1A power)	1 x MicroSD Slot 1 x RJ45 Console
Standards	IEEE 802.3u/ab	IEEE 802.3x Flow Control

Functionality

Network Management	D-Link Nuclias Connect Telnet	Web (HTTPS) Secure Telnet (SSH)
LEDs	Power/status	LAN

Physical

Dimensions	190 x 100 x 31 mm (7.48 x 3.94 x 1.22 in)	
Weight	529 g (1.16 lbs) without mcroSD card	
Power Supply	Internal power supply	
Maximum Power Consumption	6.5 W	
Temperature	Operating: 0 to 40 °C (32 to 104 °F)	Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	Operating: 10% to 90% non-condensing	Storage: 5% to 95% non-condensing
Meantime Between Failure (MTBF)	> 30,000 hours	
Certifications	FCC CE	UL BSMI

Nuclias Connect Network Management Features

WLAN Management

Maximum devices	• 100 access points / switches	
Management Features	• Setup Wizard • Batch configuration • Alerts and notifications • Network topology • Centralised firmware update • User Management • Imports of floor plans	• Automatic device discovery • Traffic reports and analytics (devices and clients) • Export of network profiles • Backup of configuration and system logs (automatic and manual) • Free cloud access
Wi-Fi Hotspots Features	• Multi SSID (8 per radio) • VLAN and User Bandwidth Management • Fast roaming • MAC and IP filtering	• Local authentication, RADIUS, Voucher, LDAP, POP3, social networks) • Captive portal with built-in editor • Scheduling Wi-Fi broadcast schedule • RF optimisation
Network Switch Features	• VLAN, AutoVoice VLAN AutoMonitoring VLAN • IGMP Traffic Snooping • QoS management • Scheduling ports and PoE • Cable diagnostic	• Security features (loop detection, DHCP Server Screening, …) • Managing ACLs • Link Aggregation • View of switches (ports, PoE, clients connected by port,…)

Supported Devices

Indoor Wireless N Access Points	• DAP-2230 (Single-Band N300, F/W ver. 2.0)	• DAP-2310 (Single-Band N300, F/W ver. 2.0)
Indoor Wireless AC/AX Access Points	• DAP-2360 (Single-Band N300, F/W ver. 2.0) • DAP-2610 (Dual-Band Wave 2 AC1300, F/W ver. 2.0) • DAP-2620 (Dual-Band Wave 2 AC1200, in-wall design) • DAP-2622 (Dual-Band Wave 2 AC1200, in-wall design) • DAP-2660 (Dual-Band AC1200, F/W ver. 2.0) • DAP-2662 (Dual-Band Wave 2 AC1200, WiFi4EU-ready)	• DAP-2680 (Dual-Band AC1200, F/W ver. 2.0) • DAP-2682 (Dual-Band Wave 2 AC2300) • DAP-2695 (Dual-Band AC1750, F/W ver. 2.0) • DAP-X2810 (Dual-Band Wi-Fi 6 AX1800) • DAP-X2850 (Dual-Band Wi-Fi 6 AX3600) • DIS-2650AP (Dual-Band Wave 2 AC1200, Industrial)
Outdoor Access Points	• DAP-3315 (Single-Band N300, F/W ver. 2.0) • DAP-3662 (Dual-Band AC1200, F/W ver. 2.0)	• DAP-3666 (Dual-Band Wave 2 AC1200, WiFi4EU-ready) • DIS-3650AP (Dual-Band Wave 2 AC1200, Industrial)

Smart Managed Switches	• DGS-1210 Series (HW : Fx)[1]
	  • DGS-1210-10
	  • DGS-1210-10P/10MP (PoE, 65/130 W)
	  • DGS-1210-20
	  • DGS-1210-26
	  • DGS-1210-28
	  • DGS-1210-52
	  • DGS-1210-28P/28MP (PoE, 193/370 W)
	  • DGS-1210-52MP (PoE, 370 W)
		• DGS-1210 Series (HW : Gx)[2]
		  • DGS-1210-08P (PoE, 65W)
		  • DGS-1210-16
		  • DGS-1210-24
		  • DGS-1210-24P (PoE, 193W)
		  • DGS-1210-48

[1] Hardware version Fx with firmware version 6.30.016 or later.
[2] Hardware version Gx with firmware version 7.30.004 or later

For more information: eu.dlink.com

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