Nuclias Network Controller

DNH-1000

Key Features

- Manage up to 500 APs and aggregation/edge switches
- Designed for medium to large networks
- On-premise management for enhanced data privacy
- Intuitive user interface
- Traffic reporting and analytics
- Remote configuration and batch configuration
- Configuration backup and restoration
- Online firmware upgrade (APs/switches)
- Multi-tenant and role-based administration
- Searchable and auditable event and change logs
- Multilingual support
- Front desk ticket management

User Benefits

Centralized Device Management

Manage devices, schedule configurations, and mass update firmware via one platform

Role-Based Administraion

Assign role-based access and permissions to ensure secure and localized network control

Real-Time Monitoring & Alerts

Generate detailed reports and receive instant alerts from a centralized dashboard

Traffic Reporting & Analytics

Detailed insight to identify trends and optimize network via real-time visualization and reports

VLAN & Access Control

Network segmentation, traffic prioritization, and access policies to enhance security and efficiency

Auto RF management and Bandwidth Optimization

Auto-adjusting channels, power, and bandwidth boost connectivity and reduce interference

Multi-SSID and Captive Portal Authentication

Set up separate networks for users with secure, customizable logins for guests and employees

Online Firmware Upgrades

Remotely update firmware for the latest features, security, and performance improvements

Technical Specifications

Hardware Design		
Device Interface	• 2.5G Ethernet Port x 1	• USB 3.0 x 1
LEDs	• Power/Status	• LAN
Dimensions	190 x 120 x 38 mm	
Weight	640 g	
Power Supply	External, 12V/2A, 100-240V AC-in	
MTBF	> 30,000 hours	
Operating Temperature	0˚C to 40˚C (32˚F to 104˚F)	
Storage Temperature	-20˚C to 70˚C (-4˚F to 158˚F)	
Operating Humidity	10% to 90% non-condensing	
Storage Humidity	5% to 95% non-condensing	
Certifications	• CE • FCC	• RoHS

Software	
Management System	Nuclias Connect

Device Management	
Management Scale	Up to 500 devices
Network Type	Medium/large networks
Managed Devices	All EAPs, aggregation and edge switches (please refer to supported devices list)
Device Layer 2/3 Discovery	Layer2 / Layer 3
Batch Configuration	√
Online Firmware Upgrades	√
AP Reboot Scheduling	√
Wireless Scheduling	√
PoE Scheduling	√

System Management	
Setup Wizard	√
Role-Based Administration	√
Multi-Site Management	√
Single Sign On	√
REST API Support	√
Multilingual	√
Configuration Backup & Restore	√

Network Management		
VLAN Group	√	
MAC ACL Group	√	
IGMP Snooping	√	
Cable Diagnostics	√	
Captive Portal Authentication	• Web Redirection Only • Local DB • Remote Radius • LDAP • POP3	• External Captive Portal • Passcode • MAC Address • Click Through
MAC Filter	√	
Auto RF Management	√	
Bandwidth Optimization	√	
Neighbor AP Detection	√	
Payment Gateway (Paypal)	√	

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Monitoring	
Dashboard	√
Network Topology	√
Floor Plan	√
Devices List	√
Clients List	√
Network Reports	√
Logs (System/Device/Audit)	√
Event Alarm and Notification	√

Supported Devices

Device Type	Technology	Model		HW Version
Access Points	Wi-Fi 7	DAP-E9560		A1
	Wi-Fi 6	• DAP-X2810	• DAP-X3060	A1
		• DAP-X2850	• DAP-3060OU	
	Wi-Fi 5	• DAP-2662	• DAP-3666	A1
Switch	Aggregation	• DXS-3130-28/28P/32S	• DMS-3130-30PS/30TS	A1
	Edge	• DGS-1100-10MPV2/10MPPV2/16V2/18PV2/24PV2/24V2/26MPV2/26MPPV2		Ax
		• DGS-1100-18PV2		J2
		• DGS-1210-10/10MP/10P/20/26/28/28MP/28P/52/52MP		Fx
		• DGS-1210-08P/16/24/24P/48		Gx
		• DXS-1210-10TS/10UP/12SC/12TC/16TC		B1
		• DMS-1250-10S/10SP/10SPL/12/12TP/18/18P/28/28P		A1
		• DXS-1250-28YP		A1

Connection Diagram

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