nuclias
Networking, refreshed.

More than Wi-Fi

How nuclias cloud or connect can provide the hospitality industry a flexible and scalable Wi-Fi solution

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Networking, refreshed.

nuclias
for hospitality

In today's digital age, Wi-Fi has transitioned from a mere perk to an absolute necessity for the hospitality sector. Recent studies, highlight the critical role of Wi-Fi in guest satisfaction and business success. A staggering 91% of travelers suggest that Wi-Fi access in their rooms is moderate or extreme importance to them and 70% Smart TVs/content streaming inside the guestroom*. Moreover, Wi-Fi complaints are now the second most common issue reported in hospitality ticketing apps.

The message is clear: the quality of your internet service can significantly impact your business, influencing repeat patronage and online reviews on platforms like TripAdvisor.

A poor Wi-Fi experience influences customers future decisions on repeat business for cafés/restaurants and hotels, and also can negatively affect reviews on websites such as tripadvisor

The demand for Wi-Fi is not just about connectivity; it's about the quality of that connection. With the increase in traffic from streaming services, social media, video calls, and content sharing, many establishments find their current networks lacking.

Business customers, in particular, require a stable and secure connection for seamless communication across various platforms, mirroring their in-office experience.

D-Link's nuclias Networking Solutions are specifically designed to address the unique challenges faced by the hospitality industry, from single hotels to expansive café chains, ensuring seamless connectivity across any number of locations or extensive floor areas.

Zero-Touch Provisioning for Effortless Expansion

Nuclias stands out with its zero-touch provisioning feature,simplifying network infrastructure expansion across multiple sites or increasing network capacity. The ability to quickly adapt and scale the network infrastructure can significantly enhance guest satisfaction. With Nuclias, hotels, cafés, and restaurants can effortlessly expand their networks, ensuring reliable and high-speed internet access without the need for extensive IT intervention.

Affordable and Reliable Connectivity

Our solution offers affordable connectivity without compromising on reliability. Nuclias delivers robust wireless coverage via access points, and smart-managed switches enable high-speed wired connections with Power over Ethernet (PoE) support. This is ideal for powering essential devices such as Point of Sale (PoS) systems, VoIP phones, and cameras.

Enhanced Security with WLAN Segmentation

Security is paramount, especially in an industry where guests entrust businesses with their personal information. Nuclias' Wireless LAN Segmentation, ensures a clear separation between guest & staff networks. This provides an added layer of security, safeguarding your internal devices and systems from cyber threats, ensuring that your guests can browse with confidence.

Remote IT Management: A Game-Changer for Multi-Site Operations

For hospitality businesses operating across multiple locations, the challenge of managing IT infrastructure can be daunting, especially with limited or no onsite IT personnel. Nuclias revolutionizes this aspect by enabling remote IT management. This means you can oversee and adjust your network infrastructure from anywhere, at any time, significantly reducing the need for time-consuming travel and onsite interventions.

Whether you're managing a single site with expansive coverage needs or multiple locations across regions, Nuclias provides a centralized, efficient, and cost-effective solution to meet all your connectivity needs.

* 2022 study by https:// hospitalitytech.com/customer-engagement-study-2022?from=gate

Why use nuclias for Hospitality?

nuclias cloud
for hospitality

- Secure encrypted communication between the device and the cloud

- Social login for Wi-Fi access supported

- Advanced traffic report and data analysis

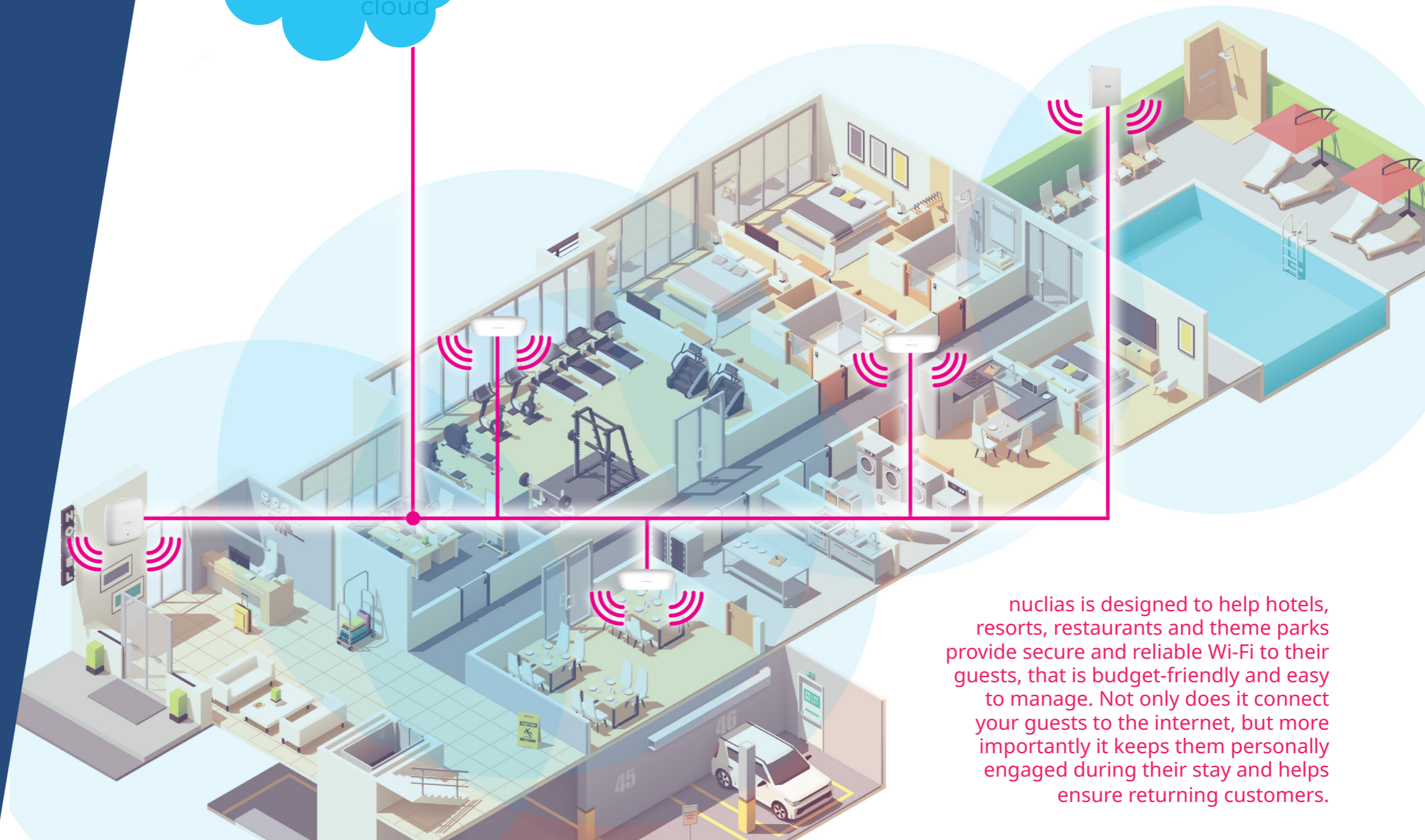- Over-the-web firmware upgrades

- Zero-touch deployments

- Automatic monitoring and alerts

- Role-based administration

- Intuitive web-based interface with multilingual support

Supporting Back Office Activity

Complete wireless coverage throughout a businesses premises can help support back office processes. Incorporating wireless applications on mobile devices or PDQ's, can help staff streamline the everyday running of your business. As an example, in the restaurant or bar area, installing Wi-Fi and with the appropriate mobile apps, allows the staff to have direct communications with the kitchen, making food ordering quicker and saving paper in the process!

Roaming staff can carry mobile devices which send information as voice, data, text or alarms to other colleagues, making them always contactable, ideal in emergencies.

nuclias is designed to help hotels, resorts, restaurants and theme parks provide secure and reliable Wi-Fi to their guests, that is budget-friendly and easy to manage. Not only does it connect your guests to the internet, but more importantly it keeps them personally engaged during their stay and helps ensure returning customers.

what is
nuclias connect?

nuclias connect is a unique platform for managing and monitoring your network infrastructure, including switches, Wi-Fi access points, and VPN routers, from anywhere, anytime. It's easy to use, free and without subscription charges.

With automated deployments, task scheduling and alerting capabilities, you save time by eliminating repetitive and routine maintenance and configuration tasks.

With nuclias connect, you can:

• Quickly and easily deploy networking devices from a single location
• Manage, monitor and maintain your entire network
• Secure your company's network and adapt when necessary
• Be alerted instantly with device malfunctions
• Compliant with public Wi-Fi legal requirements

Easy and quick deployment	Manage, monitor and alert notifications	Manage up to 1,500 devices	Multitenant, multisite	Network protection	Automation of maintenance tasks

HEADQUARTERS

NUCLIAS CONNECT SERVER

SERVER PC HUB

Configure Nuclias Connect by using browser anywhere

HTTPS FIREWALL HTTPS

INTERNET

ROUTER ROUTER

BRANCH OFFICE A **BRANCH OFFICE B**
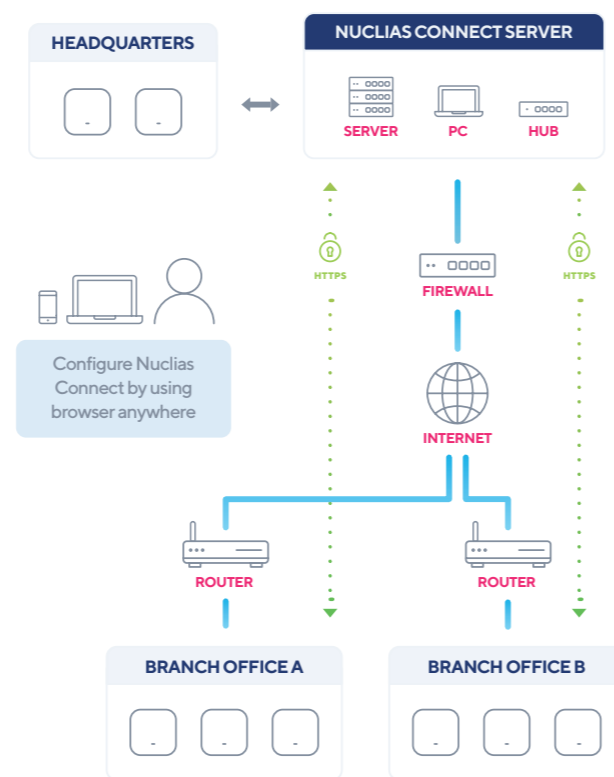
How does nuclias connect work?

Unified Services Multi-WAN VPN Router DSR-250V2*

Remote access platform

Smart-managed switches
DGS-1100V2 Series*
DGS-1210 Series**
DXS-1210 Series ***

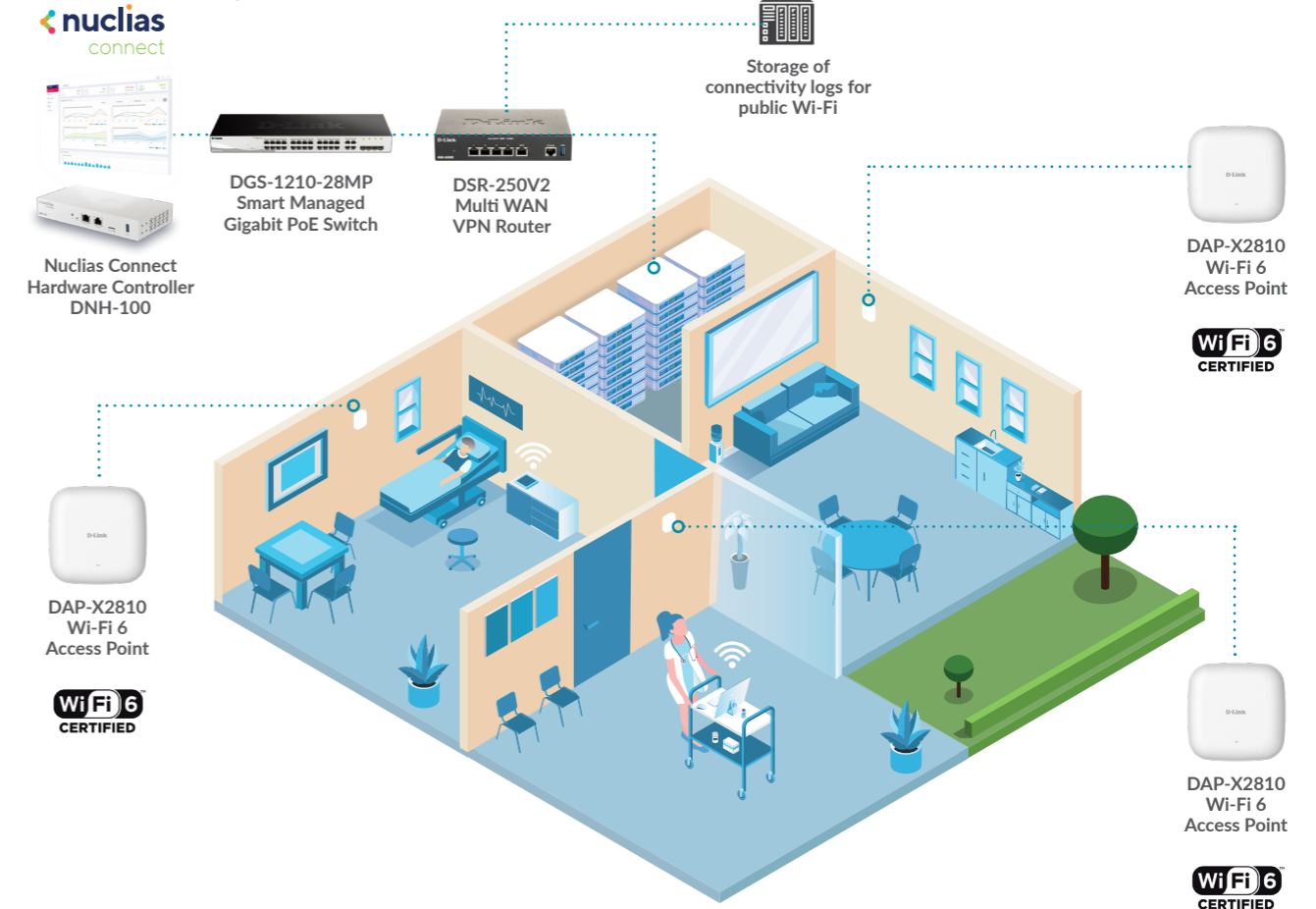Wi-Fi access points DAP Series

Onsite hardware or software controller
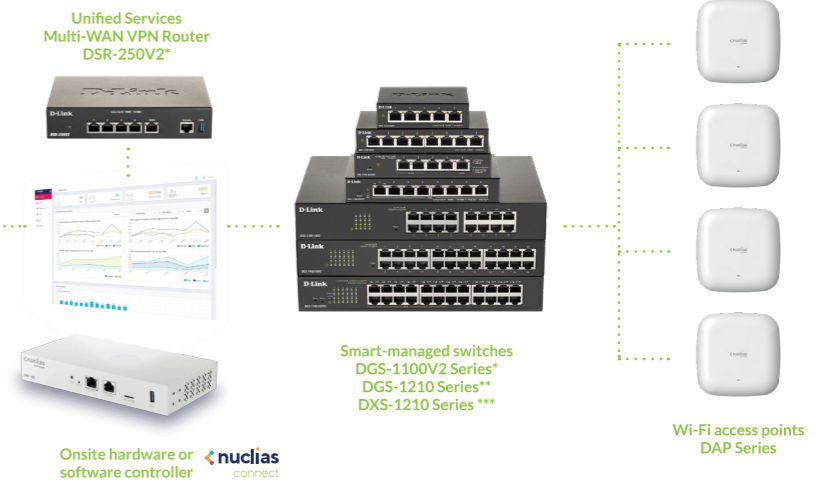
* DGS-1100V2 compatible soon on models 10 ports or more
** DGS-1210 hardware revision Fx/Gx only
*** DXS-1210 hardware revision Bx only

If you prefer to create your private cloud instance, it's possible! Installing the nuclias connect software on your server or data centre allows you to manage your different sites on a private infrastructure controlled from end to end.

There are many advantages of hosting nuclias connect on a private cloud:
• A single, centralised controller for your various multi-site deployments*
• Total control of your infrastructure
• A large capacity of up to 1500 network devices
• Rapid integration of equipment into the existing private cloud infrastructure

— HOSPITALITY/HEALTH SOLUTION

Storage of connectivity logs for public Wi-Fi

DGS-1210-28MP Smart Managed Gigabit PoE Switch

DSR-250V2 Multi WAN VPN Router

Nuclias Connect Hardware Controller DNH-100

DAP-X2810 Wi-Fi 6 Access Point
WiFi 6 CERTIFIED

DAP-X2810 Wi-Fi 6 Access Point
WiFi 6 CERTIFIED

DAP-X2810 Wi-Fi 6 Access Point
WiFi 6 CERTIFIED

Advantages of the solution:
• Latest-generation Wi-Fi 6 high-speed and secure wireless connectivity meeting the needs of healthcare establishments (patient files, guest Wi-Fi), hotels (public Wi-Fi, streaming), etc.
• Customisation of the branded captive portal for public Wi-Fi access
• Secure public Wi-Fi access thanks to the Multi-WAN router/firewall

Why use nuclias for Hospitality?

Smart Room Technology

The evolution of smart hotel room technology is transforming the hospitality industry, setting new standards for guest experience and operational efficiency. As hotels increasingly adopt automated systems for lighting, blinds, and entertainment—including 4K, Ultra HD, and OLED smart TVs—it's clear that the demand for high-bandwidth, reliable network connectivity has never been higher. The integration of seamless multimedia hubs that allow guests to sync their own streaming media accounts with the room's TV further underscores the need for robust wireless and wired connectivity solutions.

Gigabit Connectivity: The New Standard

To accommodate the streaming of 4K content, hotels must ensure that their room connectivity is up to the task. Gigabit connectivity should be considered the minimum standard for all rooms to meet guests' expectations for high-definition video streams, without buffering or interruptions. D-Link's Nuclias Networking Solutions provide the infrastructure necessary to support gigabit speeds and beyond, ensuring that your hotel can meet and exceed these demands.

Enhancing Guest Services with Information Kiosks

Guest information kiosks are becoming an essential feature in modern lobbies, acting as a 24/7 virtual concierge. These kiosks provide guests with easy access to property and destination information, significantly improving lobby functionality and enhancing overall guest satisfaction. For these kiosks to operate effectively, they require a backend network that is both reliable and capable of handling high data volumes.

We'll take care of the plans!

D-Link's team of technical experts can plan the best Wi-Fi solution for you, no plan is too big or small! Arrange a site survey for your public sector project to make sure you get the best and most efficient planning.

If you'd rather do it yourself, we have powerful free planning tools at your disposal, simply become a VIP+ partner to gain free access.

Guest Networks

Deploying an effective wireless network is not just about providing internet access; it's about enabling a wide range of business services that can transform the operational efficiency and guest experience in the hospitality sector.

With an effective wireless network deployed, you can run many business services for internal use such as telephony, location services, IP-CCTV, building management, EFTPOS and order taking.

You will also be able to separate the guest access by offering a free to use service for general guest access and separate priority/Premium level access for guests who will pay a premium and a secure private staff networks.

Network Segregation for Security and Efficiency

The segregation of staff and guest networks is crucial for security, performance, and compliance. Nuclias facilitates this segregation, ensuring that your guest services run smoothly without compromising the integrity of your internal networks. This separation is vital for protecting against cyber threats.

Customisable Guest Experience with Captive Portals

Nuclias offers a customisable login screen or captive portal, allowing you to reinforce your brand image every time a guest connects to the Wi-Fi. With options for email or social media logins, you can enhance customer engagement and gather valuable insights for marketing purposes, providing a touchpoint for promoting your brand and services.

How to choose the right access points?

- **Range:** Choosing an access point that offers sufficient range to cover the entire space.
- **Capacity:** It is essential to choose an access point that can handle a large number of users simultaneously, and support bandwidth intensive applications.
- **Security:** The access point must offer robust security features, support for WPA2/WPA3 encryption protocols, intrusion detection and access policy management.
- **Features:** Advanced features such as support for multiple SSIDs, centralised management, quality of service (QoS), and guest network support.
- **Compatibility:** The access point must be compatible with the existing network and other network equipment.
- **Management:** Choosing an access point that can be easily managed and configured, preferably via a web interface and a centralised

D-Link and you
A partnership and local support

D-Link's success as a provider of network and video surveillance solutions is based on our commitment to our partners. Our Value in Partnership + programme builds on these relationships and offers an end-to-end support that will increase your skills and profitability.

D-Link Value in Partnership⁺

Benefits

- Free certified commercial and technical training

- Personalised support for your projects

- Special project prices

- Pre-sales tools: Wi-Fi planning, product selector etc.

- Technical resources: technical library, typical architectures, tutorials, etc.

- Priority technical support

D-Link Managed Service Provider

Everything included with the Value in Partnership + program

Plus

- Gold level VIP+ status

- Free product set for testing

- License discounts

- Marketing MDF

Contact us for more info!

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