



Una adecuada gestión de la red, ya sea la parte inalámbrica o la cableada, siempre es un factor clave para su rendimiento, seguridad y redundancia. D-Link ha diseñado Nuclias Cloud para ofrecer una plataforma de administración de redes con una interfaz moderna, de alta funcionalidad y accesible incluso desde móviles y tabletas, añadiendo la capacidad de acceso remoto y desde la nube para agilizar cualquier instalación y proporcionar avanzadas funciones de administración y monitorización del entorno de red.



Gestión 100% desde la nube

Nuclias Cloud es la solución 100% Cloud Networking para instalar switches y puntos de acceso agregándolos a la cuenta Cloud de forma instantánea para su aprovisionamiento en redes unificadas y posterior configuración y gestión desde la nube con navegador web o app.

Zero-Touch Provisioning

Conectar, autoprovisionar y gestionar puntos de acceso y switches usando el perfil basado en Cloud elegido.

Gestión remota, sin necesidad de desplazar técnico in-situ

Nuclias Cloud es una plataforma de gestión de redes diseñada para funcionar incluso en caso de interrupción de la conexión a la nube.

Escalabilidad ilimitada de Puntos de Acceso Wi-Fi y Switches Smart Gigabit

Nuclias Cloud es perfecto para instaladores, integradores o MSPs que quieran gestionar en remoto las múltiples redes de sus clientes, sea cual sea el tamaño de esas empresas, y ofrecer la administración IT como servicio de valor añadido.

Características principales

- Zero-touch provisioning.
- Administración multisede y basada en roles.
- Registros de control de cambios.
- Autenticación usuarios a través de portal cautivo personalizable, 802.1x y servidor RADIUS.
- Admite acceso a redes Wi-Fi públicas mediante "like" en redes sociales (social log-in).
- Informes de tráfico y análisis de datos avanzados.
- Interfaz intuitiva basada en web y app para tabletas con soporte multilingüe.
- Vigilancia y alertas automáticas.
- Actualizaciones de firmware a través de la web.
- Registro de eventos, con función de búsqueda.
- Configuración intuitiva de segmentación VLAN.
- Optimización de RF y canales desde la nube.



La solución de administración de redes desde la nube para todo tipo de entornos de red, tanto Switching (gama DBS) como Wireless (gama DBA)

Los puntos de acceso de alto rendimiento y los Switches Smart Managed se despliegan sin necesidad de un técnico in-situ, simplemente en cuanto se conectan a la red se aprovisionan en la cuenta Cloud para que se pueda iniciar en remoto su aprovisionamiento y configuración. La gestión centralizada basada en la nube agiliza la instalación y gestión de cualquier entorno de red.

Con Nuclias Cloud, las configuraciones de red y las actualizaciones de software se envían a dispositivos remotos a través de la nube, sin necesidad de disponer de equipos o personal especializado in situ.

Es la solución perfecta para que integradores de red o MSPs puedan controlar múltiples redes de sus clientes en remoto y ofrecerles la gestión de red como servicio añadido.

Puntos de acceso Cloud Managed



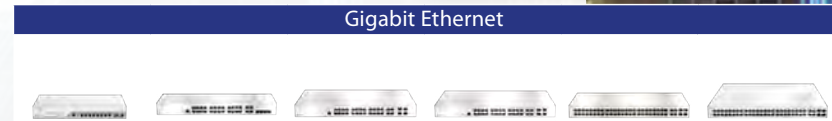
MODEL	DBA-1210P	DBA-2520P	DBA-2820P	DBA-3620P	DBA-3621P
Indoor/Outdoor	Indoor	Indoor	Indoor	Outdoor (IP55)	Outdoor (IP68)
Surge/ESD Protection					6KV/15KV
Wireless standards	Simultaneous Dual-band a/n/ac (Wave 2) and b/g/n				
Antenna	Embedded	Embedded	Embedded	Embedded	Detachable
Maximum wireless speed	867 Mbps - 5 GHz 300 Mbps - 2.4 GHz	1,300 Mbps - 5 GHz 600 Mbps - 2.4 GHz	1,733 Mbps - 5 GHz 800 Mbps - 2.4 GHz	867 Mbps - 5 GHz 400 Mbps - 2.4 GHz	867 Mbps - 5 GHz 400 Mbps - 2.4 GHz
MU-MIMO	•	•	•	•	•
Power-over-Ethernet	• (802.3af)	• (802.3at)	• (802.3at)	• (802.3af)	• (802.3af)
Wired interface	1 x Gigabit Ethernet	1 x Gigabit Ethernet	1 x Gigabit Ethernet	1 x Gigabit Ethernet	1 x Gigabit Ethernet
Type of Housing	Plastic	Plastic	Plastic	Plastic	Metal
Latest 128-bit Wi-Fi Encryption	•	•	•	•	•

Wi-Fi 6/802.11ax Puntos de acceso Cloud Managed

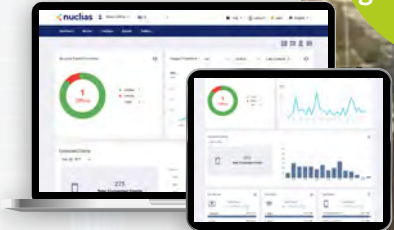


MODEL	DBA-X1230P	DBA-X2830P
Indoor/Outdoor	Indoor	Indoor
Wireless standards	Simultaneous Dual-band a/n/ac/ax and b/g/n/ax	
Antenna	Embedded	Embedded
Maximum wireless speed	1200 Mbps - 5 GHz 600 Mbps - 2.4 GHz	2402 Mbps - 5 GHz 1147 Mbps - 2.4 GHz
MU-MIMO	•	•
Power-over-Ethernet	• (802.3at)	• (802.3at)
Wired interface	1 x Gigabit Ethernet	1 x 2.5G Ethernet, 1 x Gigabit Ethernet
Type of Housing	Plastic	Plastic
Latest 128-bit Wi-Fi Encryption	•	•

Gigabit Cloud-Managed Switches



	MODEL	DBS-2000-10MP	DBS-2000-28	DBS-2000-28P	DBS-2000-28MP	DBS-2000-52	DBS-2000-52MP
HARDWARE	Number of Gigabit ports	8	24	24	24	48	48
	Number of Combo 1000BASE-T/SFP ports		4	4	4	4	4
	Number of SFP ports	2					
	Switching capacity	20 Gbps	56 Gbps	56 Gbps	56 Gbps	104 Gbps	104 Gbps
	PoE standards	802.3af, 802.3at		802.3af, 802.3at	802.3af, 802.3at		802.3af, 802.3at
	PoE power budget	130 W		193 W	370 W		370 W
	PoE capable ports	Ports 1-8, up to 30 W		Ports 1-24, up to 30 W	Ports 1-24, up to 30 W		Ports 1-48, up to 30 W
	Time-based PoE	•	•	•	•	•	•
	Fanless	•	•	•	•	•	•
	802.3az EEE	•	•	•	•	•	•
L2	Power supply type	Internal	Internal	Internal	Internal	Internal	Internal
	MAC address	8K	8K	8K	8K	16K	16K
VLAN	802.1D STP, 802.1w RSTP	•	•	•	•	•	•
	802.3ad link aggregation	•	•	•	•	•	•
SECURITY	VLAN group (max static)	256	256	256	256	256	256
	Port-based VLAN, Voice VLAN	•	•	•	•	•	•
SECURITY	SSL	•	•	•	•	•	•
	ACL	•	•	•	•	•	•
	Port security	•	•	•	•	•	•



Nuclias by D-Link
is a complete cloud-managed
networking solution for small
to medium-sized organisations
with one or more sites.

Simpler to
install and
**easier to
manage**

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.

What makes Nuclias

Nuclias offers enterprise-grade high-performance Wi-Fi access points and high-speed Gigabit managed switches without the complexity or upfront investment. This means that it can be deployed and managed without additional training and comes at a lower cost.

Designed to be managed through the D-Link Nuclias Cloud Management, devices can be easily set up through the web-browser portal or the Nuclias mobile app for tablets. Zero-touch provisioning means devices can be deployed at remote locations without an on-site network administrator. With D-Link Nuclias, businesses can now more effectively organise their entire wireless and wired network and monitor live network statistics.

Who is it for?

Nuclias is an ideal solution for organisations that:

- Need reliable wireless network connectivity at one or more sites
- Depend on an increasing number of connected devices and apps
- Want to ensure employees can safely use their own devices
- Need to ensure security – especially at remote offices
- Would like to easily provide visitor Wi-Fi access
- Have limited in-house IT resources or actively want to outsource



Unlimited scalability
of supported APs



Efficient centralised
cloud-based
management

Reliability assured

Nuclias is built on a tried and trusted cloud platform, with over 5 million cloud managed devices already connected. It features high availability with 24/7 automated failure detection and cross time zone support with rapid escalation across multiple teams. Performance is optimised by servers that automatically scale to meet performance demands.

With Nuclias, user internet traffic does not pass through the cloud, compliant with the latest data protection and privacy regulations. Security is assured with out-of-band, SSL-encrypted management plane backed with 99.99% uptime service level agreement.

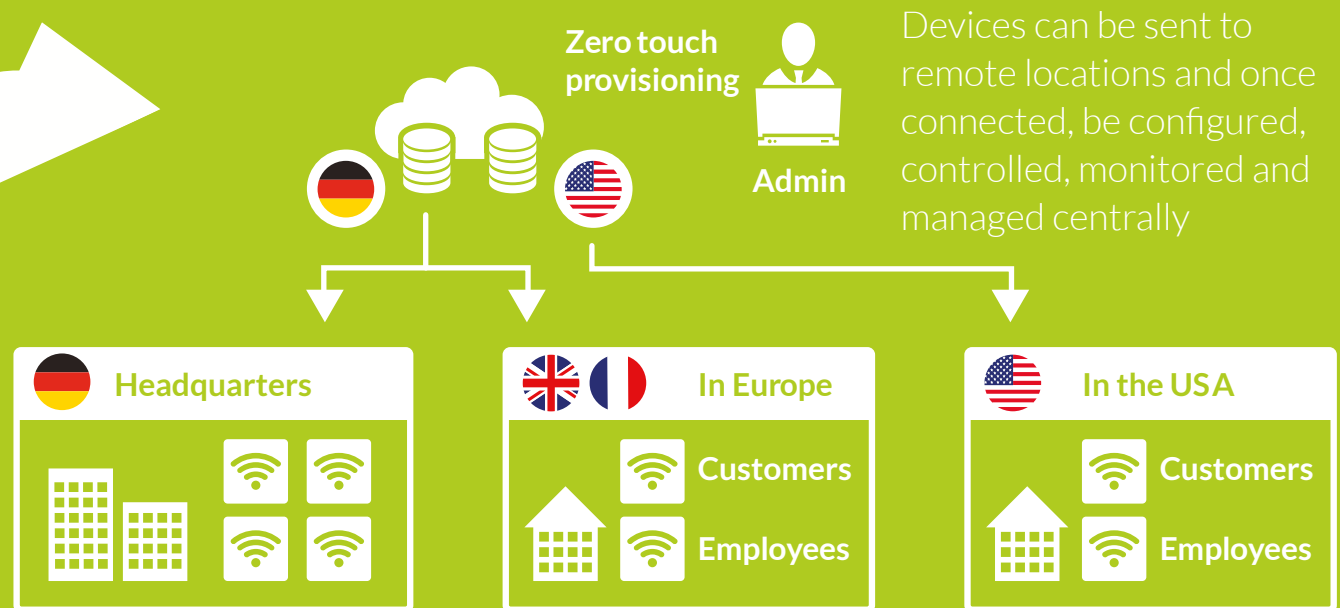
Over
5 million
connected
devices on
D-Link's cloud
platform

How Nuclias modernises network management



Non-cloud management calls for in-house IT management at every site.

Centralised cloud-based management



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



Reporting
and analytics



Pay-as-you grow
Subscription



Zero-touch
provisioning

Cost reduction

There is less infrastructure, as Wi-Fi reduces cabling and Nuclias uses controller-less architecture. Also, cloud-based management cuts the cost of deployment and ongoing management.

Transparent pricing

Nuclias offers straightforward, high quality connectivity with transparent pricing. Unlike other solutions in this category, there are no extra feature licenses to buy and prices aren't based on number of users.

Instead, there is a simple annual cost based on the number of Access Points deployed. So there's no need to over provision. You only pay for what you need, with the ability to scale back or expand, in line with business demand.

- All access points and switches can be purchased with a **1 or 3** year license included
- Businesses can decide to purchase additional **1, 3 or 5** year license thereafter



Cloud-based management **cuts the cost of deployment**

Simple deployment



Deployment is as straight forward as **Connect. Activate. Provision.**



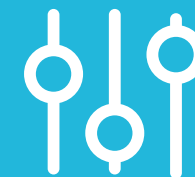
1. Connect

Mount the first Access Point and plug it in to an existing powered switch.



2. Activate

Import to e-inventory and add to your account.



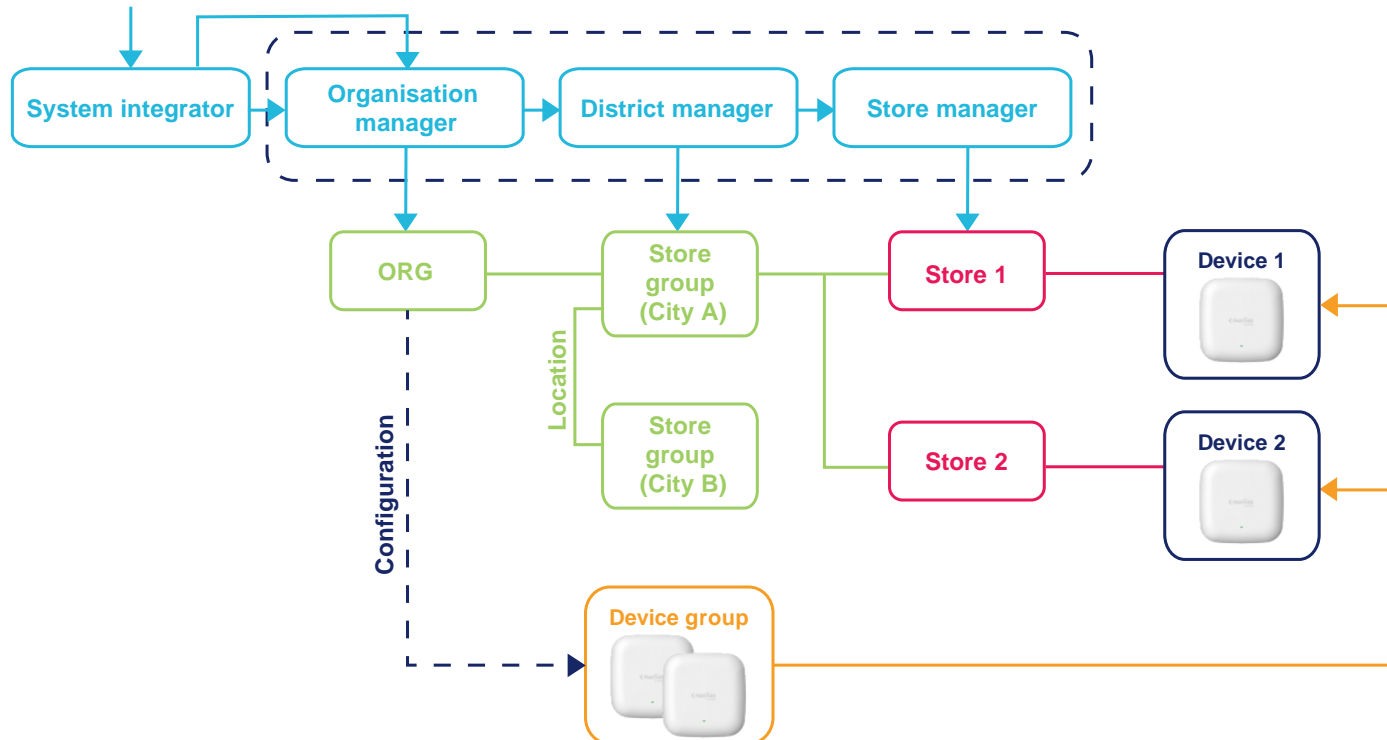
3. Provision

Configure devices by selecting UID, Profile, Site, and License. The settings you enter are pushed to the devices via cloud hosted management.

Role & Privilege-Based Access Control

Network administrators can assign different privileges to users within or outside of the organisation to manage and monitor network and guest access. Multiple roles can be created to provide varying levels of management authority. Provisioning network access control will allow organisations to enhance security and prevent accidental or malicious network misconfiguration.

RoleStructure



PrivilegeControl

High



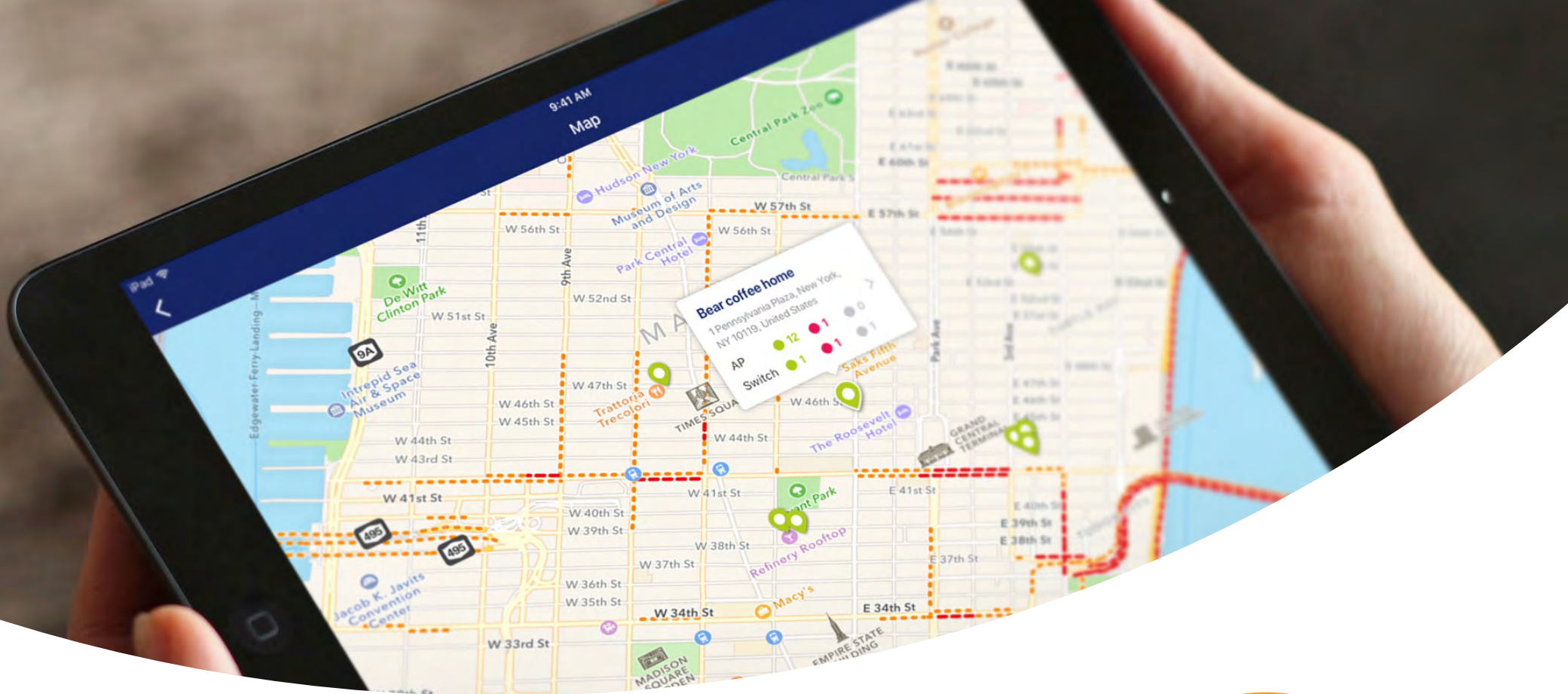
Domain admin

Editor

Monitor

Viewer

Low



Automated monitoring and alerts

On-screen and email alerts allow you to take proactive steps to resolve problems while in-depth reporting allows you to gauge service quality.

- High availability with 24/7 automated failure detection
- Optimised performance with servers that automatically scale to meet performance demands
- Download detailed statistics and reports of the network directly from the Nuclias Cloud Management web-portal.
- Ability to quickly identify where there are problems through the intuitive map

**Cross time
zone support**
(Rapid escalation
across multiple
operations teams)

Security

D-Link's Nuclias accounts can only be accessed via HTTPS, ensuring that all communication between an administrator's browser and Nuclias Cloud server is encrypted.

All communications between the Nuclias Cloud server and Nuclias devices are secured through websocket over SSL.

Device Adapter

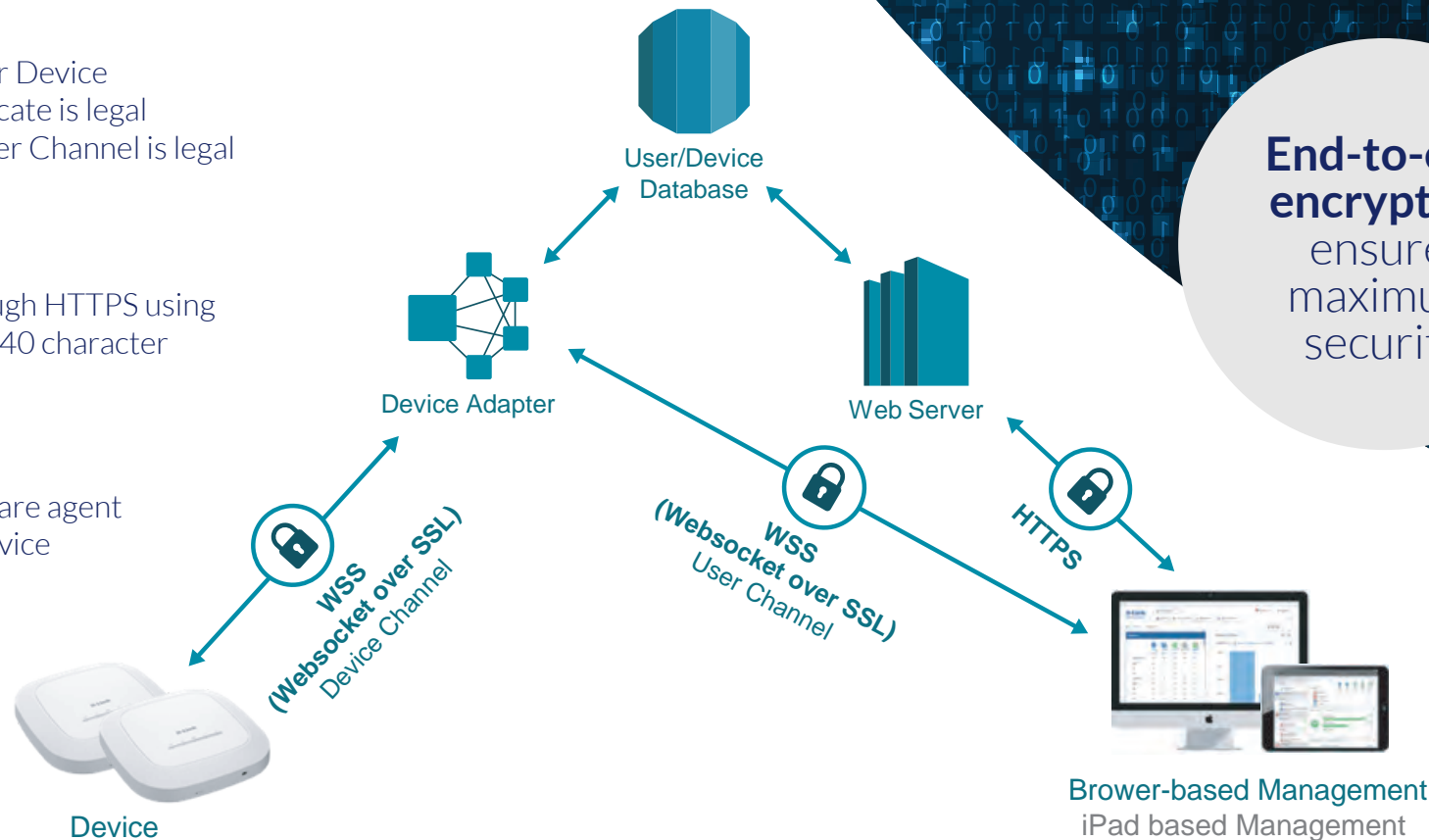
- Generates the certificate for Device
- Verifies that Device's certificate is legal
- Verifies access token via User Channel is legal
- Provide access control

Web Server

- Client communication through HTTPS using OAuth authorisation with a 40 character Access Token

Device

- Built-in with in-house software agent SDK (Cloud Adapter) for device to connect to the cloud.



Customisable Captive Portal

Wi-Fi access log-in pages can be fully customised with personalised backgrounds, text and themes through the online editor or directly with HTML code. Not only does this allow control over Internet access and help with data capture, it also allows business to build brand awareness.

