D-Lite Cloud Overview

The user can access D-Lite Cloud from the web to manage and configure off-site locations. The 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 a 99.99% uptime service level agreement. If the Cloud service is down this will not affect the service of local locations.

DLA-X541

D-Lite Cloud-Managed AX5400 Access Point

Features

• Cloud Management
• Zero-Touch Deployment
• Intuitive Interface
• Unlimited Scalability
• Band Steering
• Bandwidth Optimization
• Auto Channel Management
• Authentication via Customizable Captive Portal, 802.1x and RADIUS Server
• Social Login for Guest Wi-Fi Access
• End-to-End Encryption
• Event Log and Change Log
• Over-the-Air Firmware Upgrades
• Real Time Traffic Reporting & Analytics*
• Automated Monitoring & Alerts
• Multi-Tenant & Role-Based Administration
• Map View
• AI Diagnostics

Intuitive Dashboard Interface

The DLA-X541 is as a D-Lite Cloud-Managed AX5400 Access Point (AP). It is the best-in-class indoor access point designed specifically for enterprise environments. Featuring 802.11ax Wi-Fi 6 concurrent on both 2.4GHz and 5GHz bands, the DLA-X541 D-Lite Cloud-Managed AX5400 Access Point offers high combined data rates to wireless clients. It provides lightning-fast access to bandwidth intensive applications such as data, voice and video streaming, even in highly congested environments.

Solution Benefits

1. Easy-to-Configure APs and Switches

Users no longer have to configure each access point individually, D-lite Cloud offers an intuitive cloud interface to mass or individually configure your access points, ideal for lean IT businesses. Settings are saved on the cloud and pushed to the devices The D-Lite cloud-managed switch enables lean IT to easily provision, manage and even troubleshoot their entire network. Port configurations can be easily configured individually or performed in a batch.

2. Easy & Rapid AP & Switch Deployment

After pre-configuring the AP or Switch towards a certain profile, the AP & Switch can then be quickly deployed remotely and be up and running without configuration at the target site.

3. Unlimited Scalability

With D-Lite Cloud, the controller is managed in the cloud from a single centralized interface and no longer faces hardware scalability limitations commonly found in traditional on-premise controllers. D-Lite Cloud supports unlimited access points and switches, ideal for small to medium-sized businesses.

4. Management Multi-Site Management

From the centralized interface, IT professionals and System Integrators can manage multi remote sites with features including creating accounts, generating reports*, and remotely installing, managing and monitoring the wireless and wired infrastructure for multiple users – all with minimal commitment in terms of training time, IT resources and capital.

D-Lite APP

5. Management Intuitive Dashboard

An Intuitive and Comprehensive Dashboard to Configure and Monitor your Network
• Online and Offline Devices
• Number of Clients
• Radio Utilization View
• Client Traffic and Analysis view
• Device Traffic and Analysis view
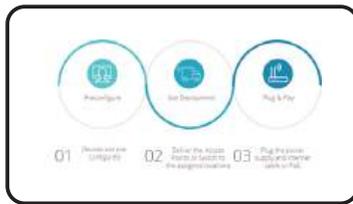• CPU & Memory Usage
• Alert Notifications

6. D-Lite APP for Easy Deployment and Monitoring

D-Lite Cloud offers APP to configure and monitor your network on the go.
• Quick Setup via QR Code
• Real-Time Monitoring
• Comprehensive Configurations

Easy-to-Configure APs and Switches　　**Easy & Rapid AP & Switch Deployment**　　**Unlimited Scalability Management Multi-Site Management**　　**Management Intuitive Dashboard**

802.11ax Wi-Fi 6

• Wi-Fi 6 AP provides high performance connectivity
• Up to 5.4 Gbps combined throughput[2]
• Increased client device battery life
• Faster speeds on both 2.4 GHz and 5 GHz bands
• Optimized encoding, packing more data into the same radio waves

Best-in-class Built for Enterprise AP

• Powerful management, monitoring and troubleshooting
  functionality with D-Lite Cloud
• MU-MIMO
• IEEE 802.3az Energy-Efficient Ethernet (EEE)
• Integrated Self Cluster Mode
• Remote access via cloud
• Allows for a high number of concurrent users

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 DLA-X541 in places that don't have access
  to electrical infastructure, such as the ceiling

Enterprise Security

• 192-bit Enterprise and 128-bit Personal encryption
• SSID/Guest/Station Isolation
• IP/MAC address filtering
• Captive Portal (Google, E-mail auth, Self reg.)
• Supports RADIUS client and Cipher negotiation
• Supports External Captive Portal and walled garden

Technical Specifications

General

Interfaces	• IEEE 802.11ax Wi-Fi 6 •1 x 10/100/1000 Mbps Ethernet Port • 1 x 10/100/1000 /2500Mbps Ethernet PoE Port
Standards	• IEEE 802.11a/b/n/g/ac/ax • IEEE 802.3i/u/ab • IEEE 802.3az Energy-Efficient Ethernet (EEE) • IEEE 802.3x Flow Control • IEEE 802.3at Power over Ethernet (PoE) • IEEE 802.11e(WMM) • IEEE 802.11h(DFS) • IEEE 802.11k/v/r
LEDs	• Power/Cloud
Antenna	• Internal omni-directional Wi-Fi antennas - 2 x 3 dBi 2.4GHz - 4 x 5 dBi 5GHz
Maximum Output Power	•2.4 GHz: 20 dBm • 5 GHz: 23 dBm
Data Signal Rate	• 2.4 GHz: Up to 573.5 Mbps^2 • 5 GHz: Up to 4802 Mbps^2
Frequency	•2.4 GHz: 2.4~2.4835GHz •5GHz: 5.150~5.350GHZ
Modulation Schemes	• OFDM - BPSK,QPSK, 16-QAM, 64-QAM 256-QAM 1024-QAM • DSSS - DBPSK, DQPSK, CCK

Functionality

Security Features	• 192-bit Enterprise encryption • RADIUS server authentication • Latest 802.11 128-bit AES with SAE • SSID isolation • 128-bit Enterprise encryption • Guest isolation • 802.11 128-bit AES • Captive portal • MAC address filtering • Station isolation
Maximum SSIDs	• Supports up to 16 SSIDs per device - Up to 8 SSIDs per wireless band

Physical

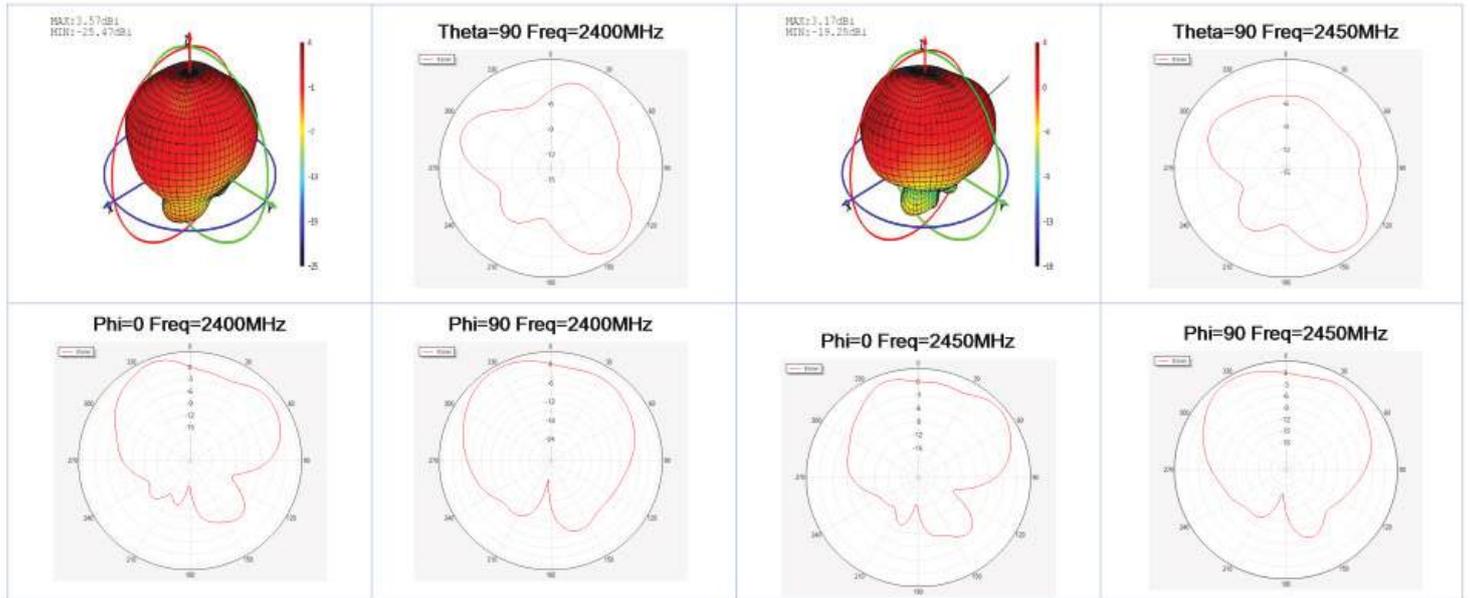|	
Dimensions	• 220*220*39mm(Without Mounting Kits),220*220*44mm(With Mounting Kits)
Weight	• 820g(Without Mounting Kits),870g(Without Mounting Kits)
Power Input	• IEEE 802.3at Power over Ethernet (PoE) on LAN 1 • Power adapter: 12 V DC, 2 A
Power Consumption	• Upto 17W
Temperature	• Operating: 0℃ to 40 ℃ • Storage: -30 to 70 ℃
Humidity	• Operating: 5% to 95% non-condensing • Storage: 5% to 95% non-condensing
Mean Time Between Failure (MTBF)	• >400,000 hours
Mounting Options	• Ceiling mount • Wall mount • Desktop (horizontal)
Certifications	• CE Class B • FCC Class B • UL-2043 • IC Class B

Management

Network Management	• Web (HTTP/HTTPs) • D-Lite App Management • AP Cluster Management • D-Lite Cloud Management • Stand-alone Mode

Order Information

Part Number	Description
DLA-X541	D-Lite Cloud-Managed AX5400 Indoor Access Point

Antenna Pattern

2.4 GHz Antenna Pattern

5 GHz Antenna Pattern

[1] Active D-Link D-Lite account is required.
[2] Maximum wireless signal rate derived from the IEEE Standard 802.11ax 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.