

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-BE36

D-Lite Cloud-Managed BE3600 Dual-Band Wi-Fi 7 Access Point

Features

- Wi-Fi 7 (802.11be) Dual-Band Access Point
- Combined throughput up to 3600 Mbps
- Powerful quad-core processor with 1GB DDR4 RAM
- 6 high gain internal antennas
- Advanced OFDMA, MU-MIMO, Beamforming, & MLO support
- Dual 2.5G LAN ports for fast wired backhaul
- Full support for WPA3 security and enterprise-grade features
- Cloud and App-based management with built-in diagnostic tools
- Wider channels (320 MHz bandwidth, double Wi-Fi 6's 160 MHz) enable multi-gigabit speeds.
- PoE and 12V DC power options

Experience next-gen wireless performance with the D-Lite BE36 WiFi 7 Access Point, delivering blazing-fast speeds of up to 3600 Mbps. Built for seamless 4K streaming, lag-free gaming, and high-density connectivity, this access point harnesses the power of WiFi 7 (802.11be) for ultra-low latency, enhanced reliability, and superior network efficiency.

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.



Intuitive Dashboard Interface



D-Lite APP



5. Management Intuitive Dashboard

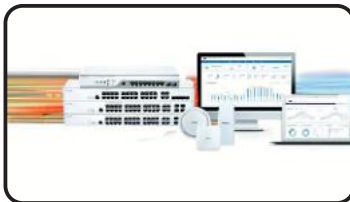
An Intuitive and Comprehensive Dashboard to Configure and Monitor your Network

- 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

802.11be Wi-Fi 7

- Wi-Fi 7 (802.11be) Dual-Band Access Point
- Combined throughput up to 3600 Mbps
- Advanced OFDMA, MU-MIMO, Beamforming, & MLO support
- 2 x 2 internal antenna array per band (6 total)
- Powerful quad-core processor with 1GB DDR4 RAM
- Dual 2.5G LAN ports for fast wired backhaul
- Wider channels (320 MHz bandwidth, double WiFi 6's 160 MHz) enable multi-gigabit speeds.
- PoE and 12V DC power options
- Full support for WPA3 security and enterprise-grade features
- Cloud and App-based management with built-in diagnostic tools

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

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

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
Hardware Parameters

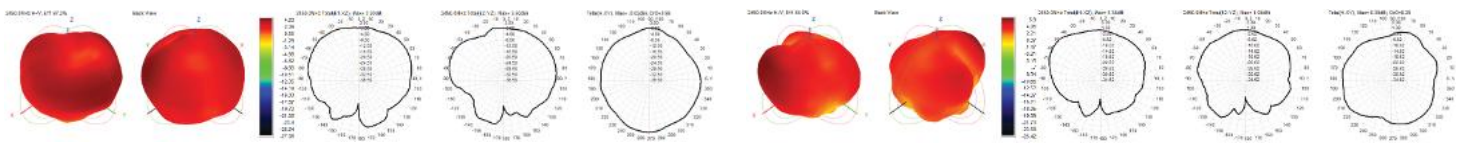
Chipset	IPQ5322+QCN6432+QCA8081+QCA8081
CPU frequency	Quad-core Cortex A53 @ 1.5 GHz
Memory	DDR4 8Gb(1GB)
Flash	2Gb(256MB)
Wi-Fi	2T2R 2.4GHz 802.11b/g/n/ac/ax/be, 688.2Mbps, 2T2R 5.8GHz 802.11a/n/ac/ax/be, 2882.4Mbps
Device Interfaces	1 x RJ45 10M/100M/1000M/2.5G WAN Ethernet(with PoE) 1 x RJ45 10M/100M/1000M/2.5G LAN Ethernet 1 x reset button 1 x Power jack
Wi-Fi Antenna	2 x 3dBi internal 2.4G antenna, 2 x 5dBi internal 5G antenna

Wi-Fi Features

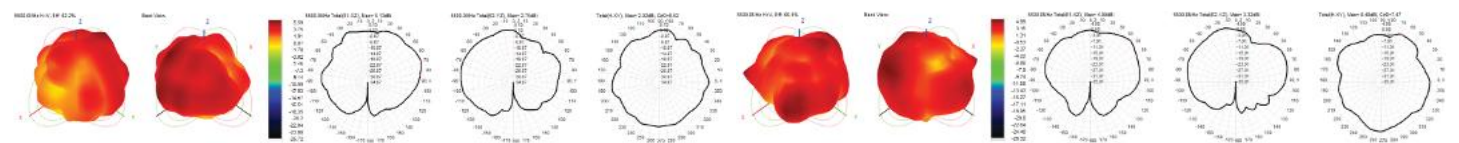
Standard	802.11a/b/g/n/ac/ax/be 802.11b/g/n/ac/ax/be, frequency 2.400 GHz to 2.4835 GHz 802.11a/n/ac/ax/be, frequency 5.150 GHz to 5.350 GHz Country-specific restrictions apply Korea, Japan, ETSI, FCC channels can be selected	
Modulation schemes	OFDM - BPSK,QPSK, 16-QAM, 64-QAM 256-QAM 1024-QAM 4096-QAM	DSSS - DBPSK, DQPSK, CCK
Max Transmit Power & Frequency	2.4G: 20dBm 2.4~2.4835GHz 5G: 23dBm 5.150~5.350GHZ	
RX Sensitivity	2.4GHz: 11be min - 93dbm (EHT20 MCS0) 11be min -46dbm (EHT40 MCS13)	5GHz: 11be min - 93dbm(EHT20 MCS0) 11be min - 40dbm(EHT160 MCS13)
Transfer Rate	2.4G : EHT40: up to 688.2Mbps 5G : EHT160: up to 2882.4Mbps	

Antenna Pattern

2.4GHz Antenna Pattern



5GHz Antenna Pattern



Technical Specifications

General Software Features

Wireless Main Protocols

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- IEEE 802.11ac
- IEEE 802.11ax
- IEEE 802.11be
- IEEE 802.11h(DFS)
- IEEE 802.11e(WMM)
- IEEE 802.11k/v/r

Management Features

- WEB GUI
- Command Tool Telnet For Debug
- APP
- SSH
- HTTP/HTTPS
- Login Authentication
- NTP
- Settings Backup && Import && Recovery
- Firmware Local/Remote Upgrade
- System Reboot && Scheduled-Restart
- Network Self-Checking
- Fault Alarm
- Fault Collection
- Diagnostic Tools(ping/tracert/nslookup)

Network Main Protocols

- RFC0768 UDP
- RFC0791 IP
- RFC0792 ICMP
- RFC0793 TCP
- RFC0826 Ethernet ARP
- RFC0894 IP over Ethernet
- RFC0922 Broadcasting Internet Datagrams
- RFC0950 Internet Standard Subnetting Procedure
- RFC2516 PPP Over Ethernet (PPPoE)
- RFC1332 PPP Internet Protocol Control Protocol
- RFC1042 Transmission of IP Datagrams over IEEE 802 Networks

Other Spec Features

- Kick Off for Wireless User
- Block Internet for User
- Internet Time Schedule for User
- Speed Limit for User
- User Firewall MAC/IP/Port/URL filter for Data-Stream
- Blue-Tooth
- Night Mode(Light Control)
- Roaming Test
- Manual DNS

Network Spec Features

- IPv4/IPv6 dual stack
- Static/IPoE/PPPoE Connection Type
- IPv6 Stateless/Stateful
- Bridge Mode

Wireless Spec Features

- Roaming
- AP Mesh
- Power Percent Adjustment
- Removing Low-RSSI STAs
- WIFI Optimization
- Beamforming
- Auto Channel
- 160MHz Huge Frequency Width
- WEP/WPA/WPA2/WPA3 Security
- Guest SSIDs
- Separate Authentication for SSID
- Schedule Working for SSID
- Speed Limit for SSID
- Hidden SSID
- User Isolation for SSID

Physical

Power Supply : 12V/3A/PoE++, IEEE 802.3at PoE

Max Power Consumption : 17W

Dimensions : 220 x 218.8 x 37mm

Operating Temperature : -0°C~40°C

Weight : 826.5g

Storage Temperature : -30°C ~ 70°C

Mean Time Between Failure (MTBF) : 500000 hours

Operating Humidity : 5%~95% (non-condensing)

Mounting Options : Ceiling mount

EMC Safety

Regulation Compliance : CE

Safety Regulations : UL

Green Standard : RoHS

Order Information

Part Number : Description

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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.