Nuclias Connect AX1800 Access Point

The Wi-Fi 6-ready DAP-X2810 is on hand to provide unbeatable speeds, greatly increased capacity and interference-free coverage, paired with easy management by Nuclias Connect.

DAP-X2810

- Easy to manage with D-Link's free centralized management software-based solution, Nuclias Connect
- Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards
- MU-MIMO slices through congestion, reducing wait time for all users
- Superior throughput with dual-band Wi-Fi offers high transfer speeds
- Coverage is shared more efficiently over more users with Airtime Fairness
- Band Steering intelligently manages users, pushing them onto the higher radio frequency when possible
- One PoE Gigabit LAN port offers expansive backhaul to your wired network, eliminating bottlenecks at the AP
- Support for Power of Ethernet 802.3at means less wires, for cleaner and easier deployment
- One RJ45 Console port for debugging
- Stay secure with the latest WPA3™ Personal & Enterprise wireless encryption
- Supports multiple AP modes to ensure performance optimization based on your network's needs (AP/WDS with AP/WDS)
- MAC Address Filtering and WLAN Partitioning ensure ultimate control of your network's access
- Captive Portal with industry-standard authentication for enhanced access management
- Works as a standalone AP or as part of a centralized, scalable multi-device deployment

Nuclias Connect

Free-to-Download Management Software	Inexpensive Hardware Controllers	Searchable Event Log and Change Log
License-Free Access Points	Traffic Reporting & Analytics	Authentication via Customizable Captive Portal, 802.1x and RADIUS Server, POP3, LDAP, AD
Backwards-Compatibility	Remote Config. & Batch Config.	Multilingual Support
Intuitive Interface	Multi-Tenant & Role-Based Administration	Payment Gateway (Paypal) Integration and Front-Desk Ticket Management

General

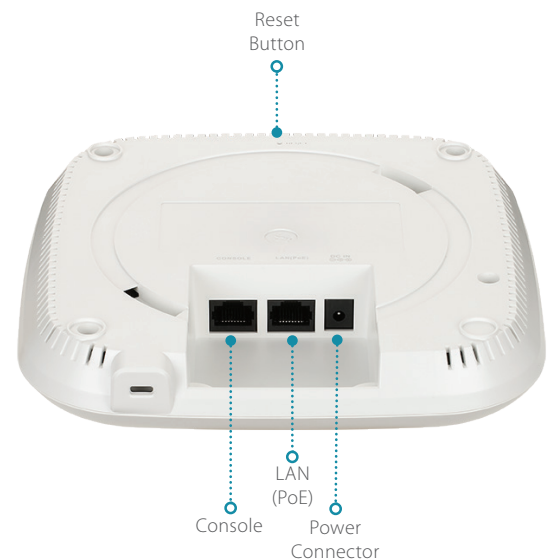|	
Device Interfaces	1 x RJ45 console port, 1 x 10/100/1000 Ethernet (PoE) LAN, factory reset, power input
LEDs	Power/Status
Antennas	2 x dual-band internal antennas
Antenna Gain	3.2 dBi (2.4 GHz), 4.3 dBi (5 GHz)
Maximum Output Power	23 dBm (2.4 GHz), 26 dBm (5 GHz)
Data Signal Rate	Up to 1800 Mbps

Functionality

Standards	IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/ab, IEEE 802.3az Energy-Efficient Ethernet (EEE), IEEE 802.3at PoE
Operating Frequency	2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz
Security Protocol	WPA/WPA2/WPA3™ Personal/Enterprise, WEP 64/128-bit, SSID broadcast disable, MAC address access control, internal RADIUS server

Software

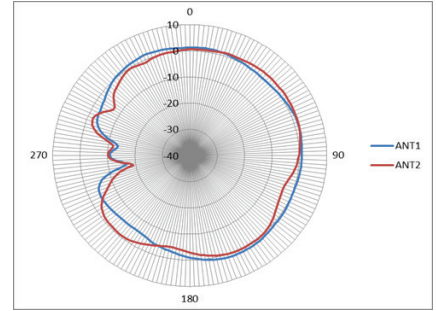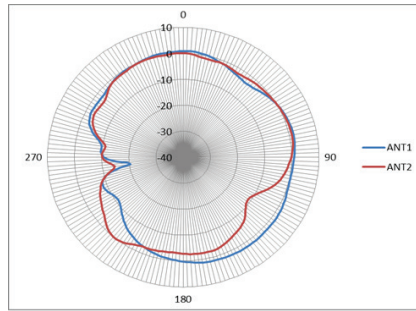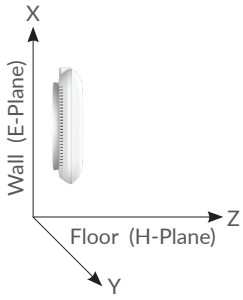|	
Network Management	Web (HTTP), Secure Socket Layer (SSL), Traffic control, D-Link Nuclias Connect

Physical

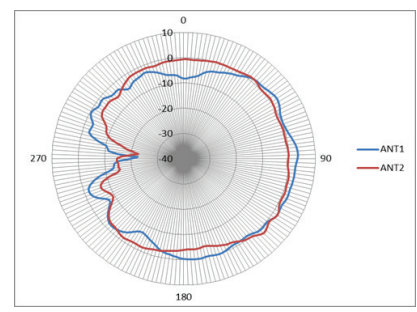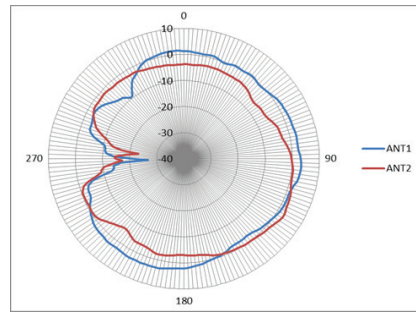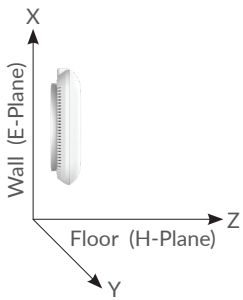|	
Power Supply	12 V / 2.5 A (optional power adapter), IEEE 802.3at PoE
Max. Power Consumption	19.44 W
MTBF	> 30,000 hours
Operating Temperature	0 ˚C to 40 ˚C (32 ˚F to 104 ˚F)
Storage Temperature	-20˚C to 65 ˚C (-4 ˚F to 149˚F)
Operating Humidity	10% to 90%
Storage Humidity	5% to 95%
Weight	477.4 g (1.05 lb)
Dimensions	170 x 170 x 28 mm (6.69 x 6.69 x 1.1 in)
Certifications	CE, FCC

Power/Status

Reset Button

Console

LAN (PoE)

Power Connector

Antenna Pattern

/ *DAP-X2810*

Orientation	H-Plane	E-Plane
2.4 GHz Wall Mounted		

X
Wall (E-Plane)
Floor (H-Plane)
Z
Y

ANT1 ANT2

Orientation	H-Plane	E-Plane
5 GHz Wall Mounted		

X
Wall (E-Plane)
Floor (H-Plane)
Z
Y

ANT1 ANT2

Orientation	H-Plane	E-Plane
2.4 GHz Ceiling Mounted		

X Ceiling (E-Plane)
Floor (H-Plane)
Z
Y

ANT1 ANT2

Orientation	H-Plane	E-Plane
5 GHz Ceiling Mounted		

X Ceiling (E-Plane)
Floor (H-Plane)
Z
Y

ANT1 ANT2
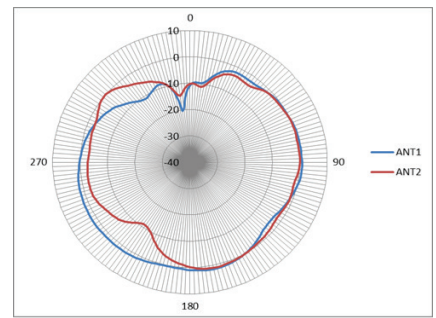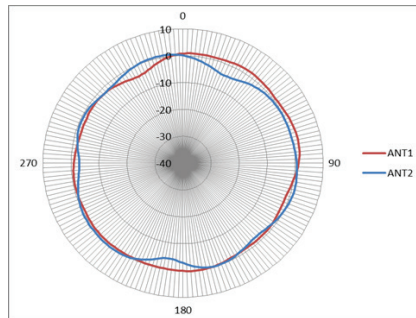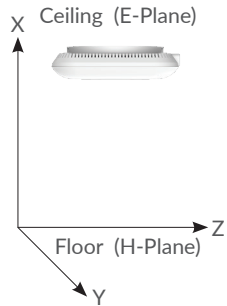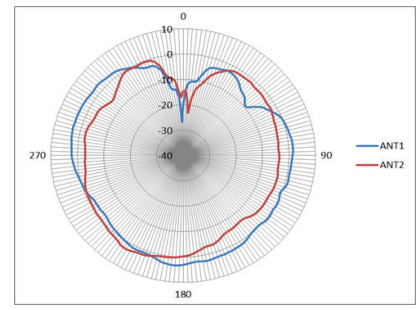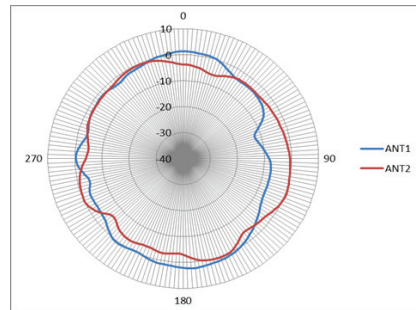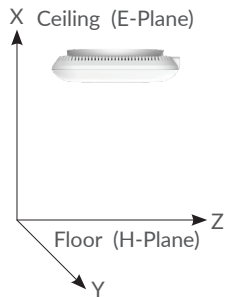
Order Information

DAP-X2810	Nuclias Connect AX1800 Access Point

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