

AX1800 Wi-Fi 6 Cloud-Managed Access Point

The Wi-Fi 6 ready Nuclias Cloud access point provides enhanced wireless speeds, greatly increased capacity and interference-free coverage throughout businesses.

DBA -X1230P

- Nuclias Connect provides centralised cloud-based management, with intuitive web and app-based interface (1-year license included)
- Wi-Fi 6 ready: 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
- BSS Coloring enables wireless networks to more effectively transmit data to multiple devices by identifying Overlapping Basic Service Sets (OBSS) to eliminate medium contention
- 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
- Support for 802.3at Power of Ethernet means fewer wires and easier deployment
- With Zero Touch Deployment, swift plug and play installation eliminates the need for on-site setup
- Stay secure with the latest WPA3 Personal & Enterprise wireless encryption



Nuclias Cloud



Intuitive
Interface



Cloud Multisite
Management



End to End
Encryption



Zero Touch
Deployment



Automated
Monitoring & Alerts



Role-Based
Administration



Multilingual
Support



Visualized
Geolocation



99.9% Service-Level
Agreement (SLA)



Unlimited
Scalability



Over-the-Air
Firmware Upgrades



Traffic Reporting &
Analytics

General

Interfaces	IEEE 802.11ax Wi-Fi 6 IEEE 802.11a/b/g/n/ac Wave 2 wireless 1 x 10/100/1000 Mbps Ethernet Port 1 x RJ45 Console port
Standards	IEEE 802.11a/b/n/g/ac/ax IEEE 802.3az Energy-Efficient Ethernet (EEE) IEEE 802.3at Power over Ethernet (PoE) IEEE 802.3i/u/ab IEEE 802.3x Flow Control
LEDs	Power/Cloud
Antenna	2 x 2 Internal omni-directional antennas (2.4 GHz: 3 dBi, 5 GHz: 4 dBi)
Maximum Output Power	2.4 GHz: 20 dBm 5 GHz: 23 dBm
Data Signal Rate	2.4 GHz: Up to 575 Mbps 5 GHz: Up to 1200 Mbps

Functionality

Security Features	WPA2/WPA3 Personal/Enterprise MAC address filtering RADIUS server authentication SSID isolation Guest isolation Captive portal Station isolation
Maximum SSIDs	Supports up to 16 SSIDs per device - Up to 8 SSIDs per wireless band

Physical

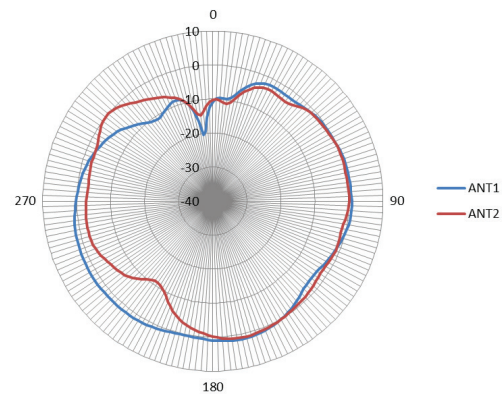
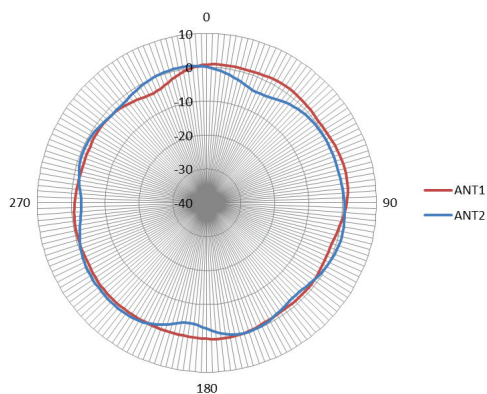
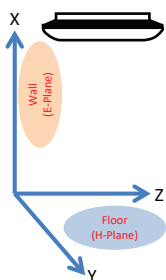
Dimensions	170 x 170 x 42.2 mm
Weight	484 g (without mount)
Power Input	IEEE 802.3at Power over Ethernet (PoE) Power Adapter : 12V/ 1.5A (not included)
Power Consumption	PoE: 14 W Power adapter: 16 W
Operating Temperature	0 to 40 °C
Storage Temperature	-20 to 65 °C
Operating Humidity	10% ~ 95% RH
Storage Humidity	5% ~ 95% RH
MTBF	1,037,000 hours
Mounting Options	Ceiling mount Wall mount Desktop (horizontal)
Certifications	CE, FCC, IC

Orientation

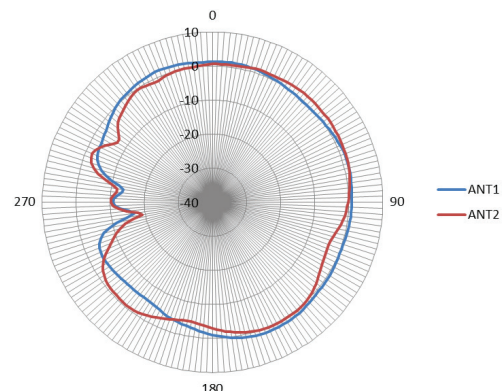
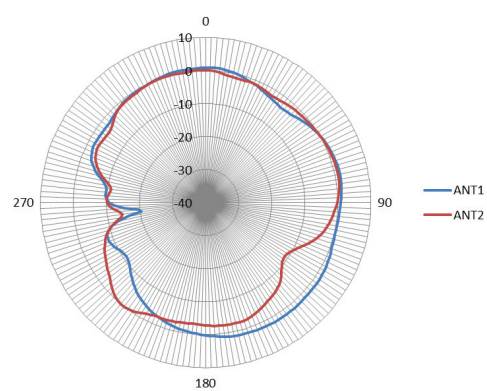
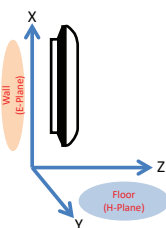
H-Plane

E-Plane

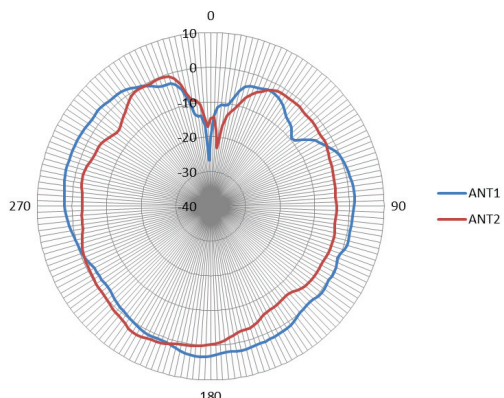
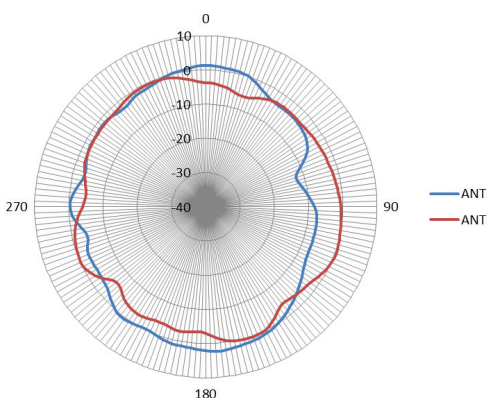
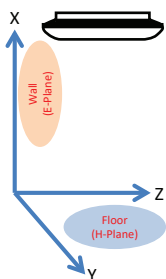
2.4 GHz Ceiling Mounted



2.4 GHz Wall Mounted



5 GHz Ceiling Mounted



5 GHz Wall Mounted

