D-Link

nuclias connect

Industrial AC1200 Wave 2 Outdoor Access Point

The DIS-3650AP is designed specifically to operate in harsh outdoor environments with its weatherproof design, wide operating temperature range and surge/ESD protection. It comes in a sturdy metal housing that can be pole, wall or DIN-mounted, ideal for industrial installations.

DIS-3650AP

- Wide operating temperature range with built-in 6 kV surge protection and 8 kV ESD protection
- IP67 design with wide operating temperature to endure outdoor elements
- Easy to manage with D-Link's free Nuclias Connect centralised management software or Nuclias Connect Hub
- Works as a standalone AP or as part of a centralised, scalable multi-device deployment
- Superior throughput with dual-band transfer speeds up to 300 Mbps in the 2.4 GHz band and 867 Mbps in the 5 GHz band
- Band Steering ensures best available and supported frequency band
- Supports Power over Ethernet (802.3at) for less cable clutter
- Supports multiple VLANs for enhanced network management and up to 16 SSID setups
- Supports WPA3 - Wi-Fi security for more protection
- 1 x Gigabit LAN port for high-capacity backhaul to the wired network
- Multiple AP modes to ensure performance optimisation based on your network's needs
- MAC Address Filtering and WLAN Partitioning ensure ultimate control of your network's access
- Captive Portal with industry-standard authentication for enhanced access management
- Includes articulating wall/pole-mount brackets for flexible mouting and positioning
- Includes DIN-mount bracket

Nuclias Connect

	Free-to-Download Management Software		Inexpensive Hardware Controller		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
	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	IEEE 802.11a/b/g/n/ac wireless[1]
	1 x Gigabit LAN (PoE supported)
	1 x Console Port
Standards	IEEE 802.11a/b/g/n/ac[1]
	IEEE 802.3u/ab
	IEEE 802.3az Energy-Efficient Ethernet (EEE)
	IEEE 802.3at Power over Ethernet
Antennas	2 x external omni-directional antennas
	• 3.0 dBi at 2.4 GHz
	• 5.0 dBi at 5 GHz
Operating Frequency[2]	2.4 GHz band: 2.4 to 2.5 GHz
	5 GHz band: 5.15 to 5.35 GHz, 5.47 to 5.85 GHz
Maximum Output Power	2.4 GHz band: 23 dBm
	5 GHz band: 23 dBm
Data Signal Rate	2.4 GHz band: Up to 300 Mbps[1]
	5 GHz band: Up to 866 Mbps[1]

Functionality

Security Features	WPA3 Personal
	WPA2 Personal/Enterprise
	WPA Personal/Enterprise
	WEP 64/128-bit encryption
	SSID broadcast disable
	MAC address access control
Network Management	Web (HTTP)
	Secure Socket Layer (SSL)
	D-Link Nuclias Connect
LED Display	PWR/2.4GHz/5GHz/LAN
Other Features	Fast Roaming Support with 802.11k and 802.11r

Physical

Dimensions	220.46 x 127.46 x 72.54 mm
Weight	1069.6 g
MTBF	>30,000 hours
Installation	DIN rail/wall/pole-mountable
Temperature	Operating: -20 to 65°C (-4 to 149°F)
	Storage: -40 to 80°C (-40 to 176°F)
Humidity	Operating: 10% to 90% non-condensing
	Storage: 5% to 95% non-condensing
Certifications	FCC, CE[3], LVD

[1] Maximum wireless signal rate derived from IEEE standard 802.11 and 802.11ac 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 may adversely affect wireless signal range.

[2] Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions. The DIS-3650AP may not support the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz frequency ranges in certain regions.

[3] For the EU region, this product is compliant with CE regulations and operates within the following frequency ranges: 2.4 - 2.4835 GHz and 5.470 - 5.750 GHz.
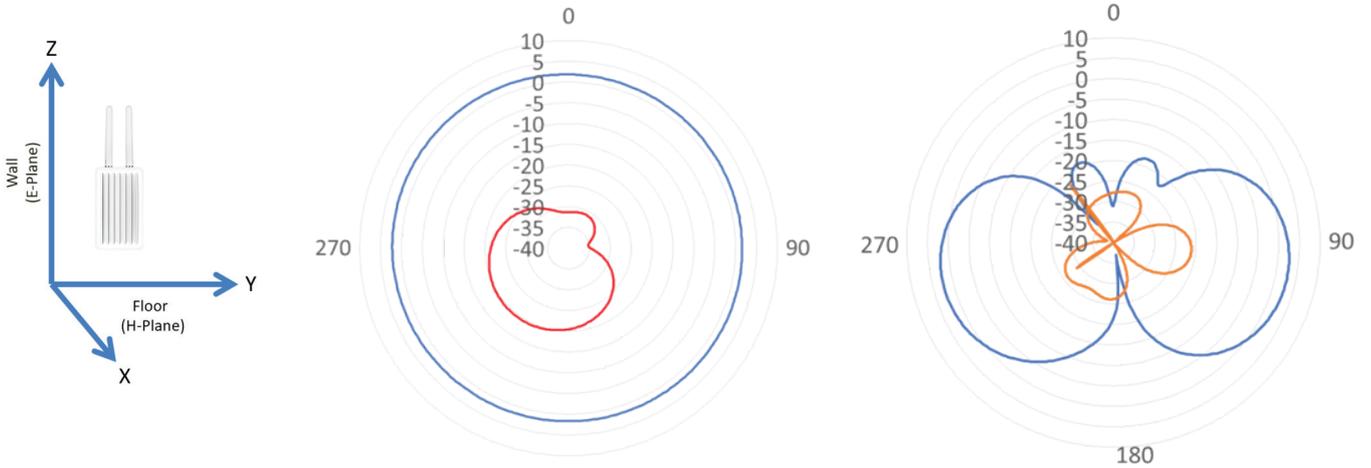
Antenna Patterns

Orientation	H-Plane	E-Plane

2.4 GHz Wall/DIN-rail Mounted

5 GHz Wall/DIN-rail Mounted