



## NFT 2 ac

Dual-Band, Dual-Radio 802.11ac Indoor Access Point

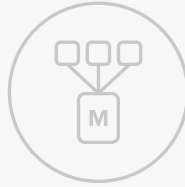
The NFT 2ac is a WI-FI access point based on 802.11ac technology with an integrated 2.4 and 5GHz (2x2) MiMo radios with 27dBm output power. The gigabit Ethernet port with 802.3af/at support allows powering the device with PoE switches. Two additional Gigabit Ethernet ports allow extending the network or connecting additional devices to the access point. Small form factor (15cm only), sleek design and unique mounting bracket makes the NFT 2ac ideal for indoor installations requiring cost-effective high-performance devices.

## Infinity Controller: 3 Ways to Manage Your Network



### Standalone

Each device is configured via the user interface individually. This method is suitable for small networks not requiring centralized management and monitoring.



### Integrated Controller

The master access point manages and monitors other devices on the same network. This controller-less architecture is suitable for small to medium size networks with up to 50 devices.



### External Controller

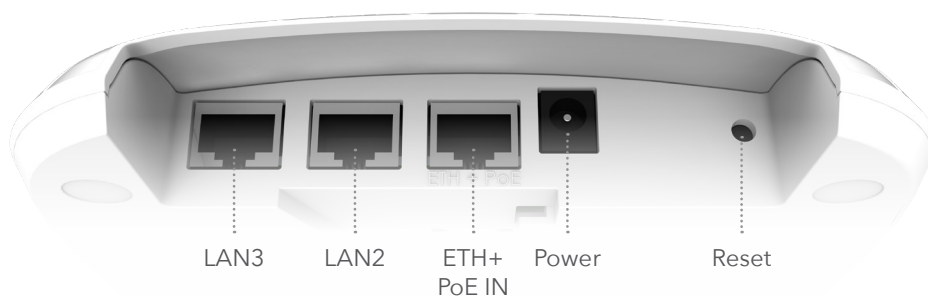
A local or cloud-based controller is used to manage and monitor the devices allowing deployment of large scale networks and management using a single system.



## Proximity

LigoWave access points have an integrated mobile device detection feature. Any device within range can be logged with MAC address and date / time without any user interaction. The data is exported in real time and can be used to enhance the services of enterprise or managed service providers by importing it to their own application. An API is available upon request. There are several technology partners already using the functionality including Cloud4Wi and Socifi.

## Interfaces



# Specifications

## Wireless

|                      |                                                                                                                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WLAN Standard        | IEEE 802.11a/b/g/n/ac                                                                                                                                                                                                          |
| Radio Mode           | MIMO Dual 2x2                                                                                                                                                                                                                  |
| Operating Mode       | Access Point, Repeater                                                                                                                                                                                                         |
| Radio Frequency Band | 2.402-2.484GHz (Country-Dependent) FCC 2.412-2.462GHz (CH1-CH11)<br>5.170-5.875GHz (Country-Dependent) FCC 5.745-5.825GHz (CH149-CH161)                                                                                        |
| Transmit Power       | 2.4GHz: 27dBm @ MCS0<br>5GHz: 27dBm @ MCS0                                                                                                                                                                                     |
| Channel Size         | 20, 40, 80MHz                                                                                                                                                                                                                  |
| Modulation Schemes   | 802.11ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)<br>802.11a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)<br>802.11b: DSS (CCK, DQPSK, DBPSK)                                                                                     |
| Data Rates           | 802.11ac @ 80MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps<br>802.11n @ 40MHz: 300, 270, 240, 180, 120, 90, 60, 30Mbps<br>802.11a/g @ 20MHz: 54, 48, 36, 24, 18, 12, 9, 6Mbps<br>802.11b @ 20MHz: 11, 5.5, 2, 1Mbps |
| Duplexing Scheme     | Time division duplex                                                                                                                                                                                                           |
| Wireless Security    | WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, Hotspot (UAM)                                                                                                                                                                    |
| Roaming              | Yes                                                                                                                                                                                                                            |

## Antenna

|                 |                                        |
|-----------------|----------------------------------------|
| Type            | 4 × internal omni-directional antennas |
| Gain            | 2.4GHz: 3dBi<br>5GHz: 3dBi             |
| Coverage Radius | 100m (328ft)                           |

## Wired

|           |                               |
|-----------|-------------------------------|
| Interface | 3 × 10/100/1000 Base-T, RJ-45 |
|-----------|-------------------------------|

## Networking

|                      |                                             |
|----------------------|---------------------------------------------|
| Operating Mode       | Bridge, Router IPv4 and IPv6                |
| Management IPv4      | Static, Dynamic                             |
| Management IPv6      | Static, Dynamic Stateless, Dynamic Stateful |
| Secondary IPv4       | Supported                                   |
| VLAN                 | 802.1Q for Management and Data              |
| Virtual SSID         | 8 per Each Radio                            |
| Client Isolation     | Supported                                   |
| Bandwidth Limitation | Supported per SSID                          |

## Traffic Management

|                        |           |
|------------------------|-----------|
| Client Isolation       | Supported |
| Wi-Fi Multimedia (WMM) | Supported |
| Multicast Enhancement  | Supported |
| Concurrent Clients     | 254       |

## Services

|          |                                      |
|----------|--------------------------------------|
| Services | SNMP Server, NTP Client, WNMS Client |
|----------|--------------------------------------|

## Power

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Power Method          | DC Jack (37-56V) or 802.3af/at with Passive PoE (37-56V) Support |
| Power Supply          | 100–240VAC to 48VDC PoE (Included)                               |
| Max Power Consumption | 14W                                                              |

## Management

|                   |                 |
|-------------------|-----------------|
| System Monitoring | SNMP v3, Syslog |
|-------------------|-----------------|

## Physical

|            |                                                         |
|------------|---------------------------------------------------------|
| Dimensions | 153mm (6.1"), 147mm (5.8"), 29mm (1.14")                |
| Weight     | 188g (6.63oz)                                           |
| Mounting   | Suspended Ceiling Mount, Wall/Ceiling Mount, Pole Mount |

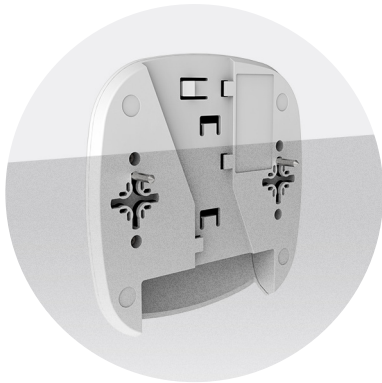
## Environmental

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | –10°C (14°F) ~ +55°C (+131°F) |
| Humidity              | 0 ~ 90 % (Non-Condensing)     |

## Regulatory

|               |           |
|---------------|-----------|
| Certification | FCC/IC/CE |
|---------------|-----------|

## Flexible Mounting



Wall/Ceiling



Pole



Suspended Ceiling

## NFT 2ac