



NFT 2 ac

Dual-band, dual-radio 802.11ac indoor access point

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The NFT 2AC is a WI-FI access point based on 802.11ac technology with an integrated 2.4 and 5 GHz (2x2) MiMo radios with 27 dBm 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 (15 cm 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

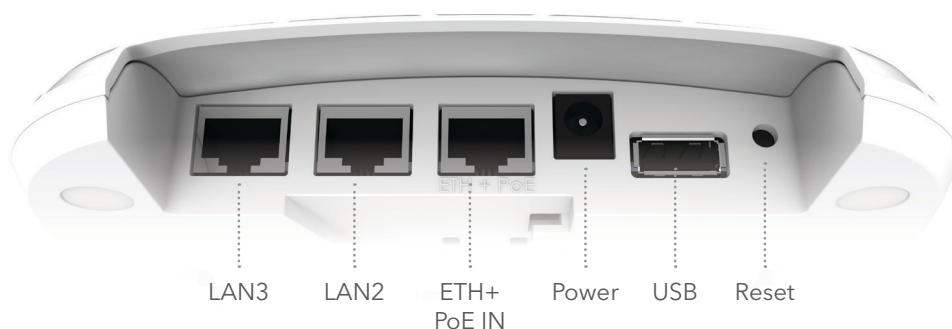
A local or cloud-based controller is used to manage and monitor the devices allowing deployment of large scale networks and management using a single system.



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 802.11 a/b/g/n/ac |
| Radio mode | MIMO dual 2x2 |
| Operating mode | Access point, repeater |
| Radio frequency band | 2.402 - 2.484 GHz (country dependent) FCC 2.412 - 2.462 GHz (CH1-CH11) 5.170 - 5.875 GHz (country dependent) FCC 5.745 - 5.825 GHz (CH149-CH161) |
| Transmit power | 2.4 GHz: 27 dBm @ MCS0 5 GHz: 27 dBm @ MCS0 |
| Channel size | 20, 40, 80 MHz |
| Modulation schemes | 802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) 802.11 a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11 b: DSS (CCK, DQPSK, DBPSK) |
| Data rates | 802.11 ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps 802.11 n @ 40 MHz: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 a/g @ 20 MHz: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11 b @ 20 MHz: 11, 5.5, 2, 1 Mbps |
| Duplexing scheme | Time division duplex |
| Wireless security | WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, Hotspot (UAM) |

Antenna

| | |
|-----------------|--|
| Type | 4 x internal omni-directional antennas |
| Gain | 2.4 GHz: 3 dBi 5 GHz: 3 dBi |
| Coverage radius | 100 meters (328 ft) |

Wired

| | |
|-----------|-------------------------------|
| Interface | 3 x 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 |

Services

| | |
|----------|--------------------------------------|
| Services | SNMP server, NTP client, WNMS client |
|----------|--------------------------------------|

Power

| | |
|-------------------------|---|
| Power method | DC jack (37 - 56V) or 802.3 af/at with passive PoE (37 - 56V) support |
| Power supply | 100 – 240 VAC to 48 VDC PoE (included) |
| Power consumption (max) | 14 W |

Management

| | |
|-------------------|-----------------|
| System monitoring | SNMP v1, syslog |
|-------------------|-----------------|

Physical

| | |
|------------|---|
| Dimensions | 153 mm (6.1"), 147 mm (5.8"), 29 mm (1.14") |
| Weight | 188 g (6.63 oz) |
| Mounting | Suspended ceiling mount, wall/ceiling mount, pole mount |

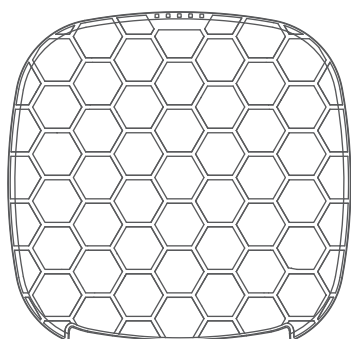
Environmental

| | |
|-----------------------|-------------------------------|
| Operating temperature | -10°C (14 F) ~ +55°C (+131 F) |
| Humidity | 0 ~ 90 % (non-condensing) |

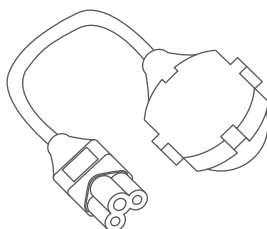
Regulatory

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

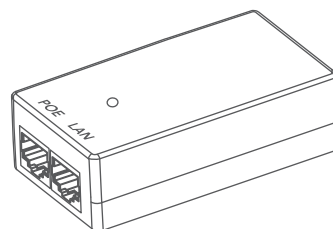
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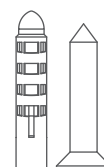
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x1

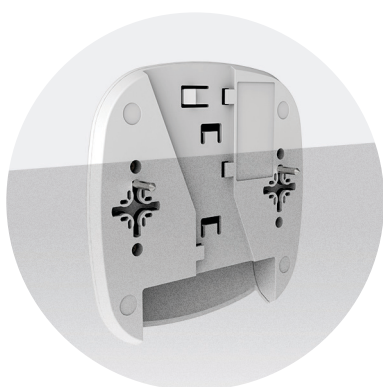


x1



x2

Flexible mounting



Wall/ceiling



Pole



Suspended ceiling

NFT 2AC