LigoWave

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 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.
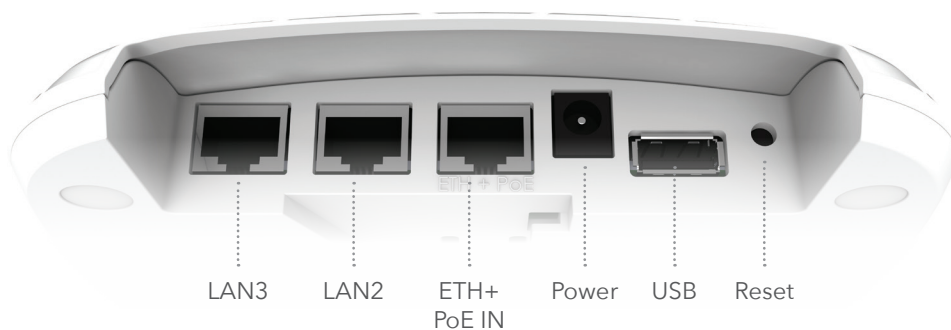
External controller

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

LAN3   LAN2   ETH+ PoE IN   Power   USB   Reset

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

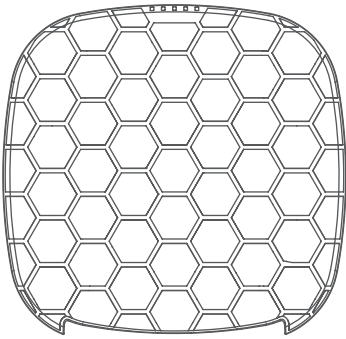|	
Dimensions	153 mm (6.1''), 147 mm (5.8 ''), 29 mm (1.14 '')
Weight	188 g (6.63 oz)
Mounting	Suspended ceiling mount, wall/ceiling mount, pole mount

Environmental

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

Regulatory

Certification	FCC/IC/CE

Package contains

x1
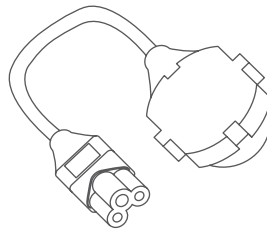
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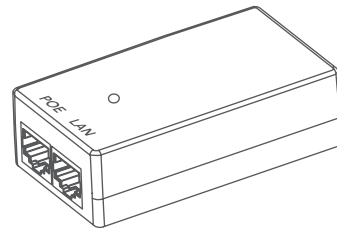
x1

x2

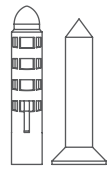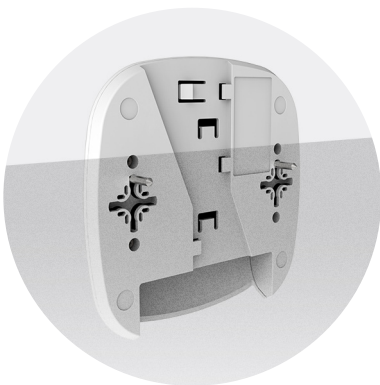## Flexible mounting

Wall/ceiling

Pole

Suspended ceiling