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 5GHz (2×2) 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.

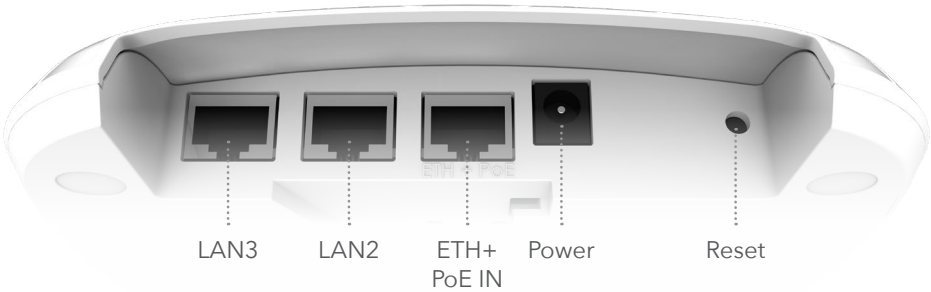
External Controller

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 2×2
Operating Mode	Access Point, Repeater
Radio Frequency Band	2.402-2.484GHz (Country-Dependent) FCC 2.412-2.462GHz (CH1-CH11)
	5.170-5.875GHz (Country-Dependent) FCC 5.745-5.825GHz (CH149-CH161)
Transmit Power	2.4GHz: 27dBm @ MCS0
	5GHz: 27dBm @ MCS0
Channel Size	20, 40, 80MHz
Modulation Schemes	802.11ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
	802.11a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
	802.11b: DSS (CCK, DQPSK, DBPSK)
Data Rates	802.11ac @ 80MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps
	802.11n @ 40MHz: 300, 270, 240, 180, 120, 90, 60, 30Mbps
	802.11a/g @ 20MHz: 54, 48, 36, 24, 18, 12, 9, 6Mbps
	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
	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 v1, 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

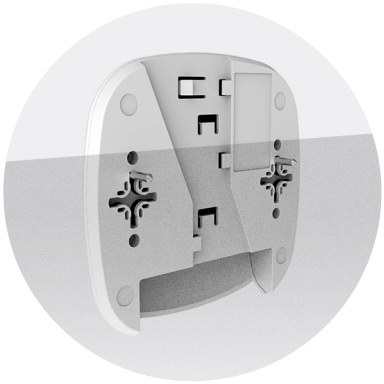
Environmental

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