



NFT 2 ac sector

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

The NFT 2ac sector is a dual band WIFI access points based on 802.11ac and b/g/n technology with integrated 2.4 and 5 GHz (2x2) MiMo radios boasting an output power of 29 dBm. The gigabit Ethernet port with 802.3af/at support allows powering the device with PoE switches. The integrated sector antennas can work under highly interfered environment, covering 300Meter distance (CPE dependent). The IP-67 standards rated enclosure, integrated surge protection and professional mounting bracket help ensure continuous operation in the harshest of weather conditions.



OS

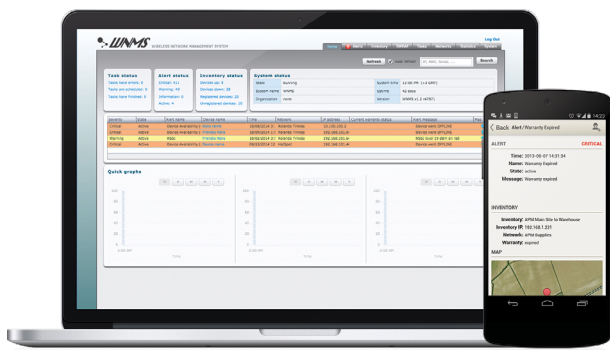
The outdoor access point runs the Infinity OS - a highly functional and easy to use operating system. This powerful and flexible operating system ensures flawless operation of LigoWave hardware devices and effortless setup for those deploying the networks.

- Responsive HTML 5 based GUI
- 256 concurrent clients
- 16 virtual networks (SSID+VLAN)
- IPv6 support
- WNMS compatible



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.



WNMS

WNMS is a FREE enterprise grade Wireless Network Management System. LigoWave's comprehensive network management system supports several thousand of nodes. Multiple networks may be maintained and monitored using one server. A rich feature set helps to diagnose network problems effectively, visualize networks on a map, perform scheduled firmware upgrades automatically, track states of devices, get failure alerts, and collect statistics. WNMS is available as a stand-alone version for Linux and Windows servers, as a cloud-based system and as a mobile application for Android devices.

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: 29 dBm @ MCS0 5 GHz: 29 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	Integrated dual-polarized 90 degree sector antenna
Gain	2.4GHz@16dBi,5.8GHz@19dBi

Wired

Interface	1 x 10/100/1000 Base-T, RJ-45
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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

Services

Services	SNMP server, NTP client, WNMS client
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Power

Power method	802.3 af/at with passive PoE (37 - 56V) support
Power supply	100 – 240 VAC to 48 VDC PoE (included)
Power consumption (max)	19 W

Management

System monitoring	SNMP v1, syslog
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Physical

Dimensions Width 399 mm (15.7 "), height 174 mm (6.8 "), depth 47 mm (1.8 ")
Weight 2.9 kg (6.3 lb) (mount included)
Mounting Articulating wall/pole mounting bracket

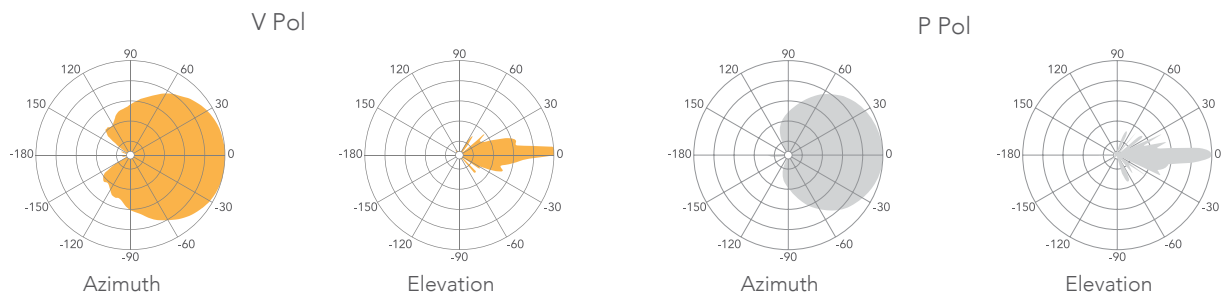
Environmental

Operating temperature -40°C (-40 F) ~ +65°C (+149 F)
Humidity 0 ~ 90 % (non-condensing)

Regulatory

Certification FCC/IC/CE

Antenna specifications



Model	NFT 2ac sector
Frequency range	2.4~2.483/5.1 - 5.9 GHz
Gain	16dBi/19dBi
Polarization	Dual linear
Cross-pol Isolation	24 dBi
VSWR	<1.8
Azimuth beamwidth(H pol)	90 °
Azimuth beamwidth(V pol)	90 °
Elevation beamwidth	20 °

