

Item no.: WAVE-NANO

## UISP Wave Nano

from **306,43 EUR**

Item no.: WAVE-NANO  
shipping weight: 1.80 kg  
Manufacturer: Ubiquiti



### Product Description

Can connect to a Wave AP and deliver 2 Gbps total throughput (1 Gbps duplex). The Wave Nano is equipped with a high-performance 5 GHz backup radio to ensure uninterrupted connection and a Bluetooth radio to simplify setup via the UISP® Mobile app.

#### Mechanical

- Dimensions: Ø256.5 x 113.5 mm (Ø10.1 x 4.5")
- Weight: Without mount: 932 g (2.1 lb); With mount: 1.2 kg (2.6 lb)
- Enclosure materials: Aluminum alloy, UV stabilized plastic
- Mount materials: Aluminum alloy, UV stabilized plastic
- Pole mount diameter: 25 to 63.5 mm (1 to 2.5") on pipe outer diameter
- Wind loading: 127 N at 200 km/h (28.6 lbf at 125 mph)
- Weatherproofing: IPX6

#### Hardware

- Processor: Dual ARM® Cortex®-A53 cores at 1 GHz
- Memory: DDR3L 512 MB
- Networking interface: (1) GbE RJ45 port
- Max. power consumption: 18 W
- Power method: 48 V DC passive PoE 4-pairs (1, 2+; 3, 6-) (4,5+; 7, 8-) or 2-pairs (4, 5+; 7, 8-); 24 V DC passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-)
- Power supply: 48 V DC, 0.65 A Gigabit PoE adapter (included), can be powered by a UISP Router or UISP Switch
- Button: Factory reset
- LEDs: Power, Ethernet, GPS, link
- Operating temperature: -40°C to 60°C (-40°F to 140°F)
- Operating humidity: 5 to 95% non-condensing
- Certifications: FCC, IC, CE

#### Software

- OS: airOS®
- Operating mode: PtMP station
- Ubiquiti specific features: Integrated 60 GHz radio, discovery protocol, Wave technology
- Services: UISP, ping watchdog, NTP client, SNMP
- Tools: Antenna alignment, discovery utility, ping, trace route, speed test
- Network: Bridge/Router mode
- Software management: Bluetooth management for easy setup over UISP app; Web UI
- Minimum software requirements: Any modern web browser/iOS or Android based smartphone

#### System

- Total throughput: 2 Gbps (1 Gbps duplex)
- Maximum range: 5+ km
- Encryption: WPA2-PSK (AES)

#### RF

- Operating frequency\*: 57 to 71 GHz
- GPS: Yes
- Channel bandwidth: 2160, 1080 MHz
- Operating channels\*: 58320, 59400, 60480, 61560, 62640, 63720, 64800, 65880, 66960, 68040, 69120, 70200 MHz
- Modulation: 16QAM, QPSK
- Antenna gain: 41 dBi
- Azimuth and elevation beamwidth: 3 dB: 1°; 6 dB: 1.4°

\*Depends on regulatory region.Back-Up RF

- Operating frequency\*: US/CA: U-NII-1 5150 - 5250 MHz; U-NII-3 5725 - 5850 MHz; Worldwide: 5150 - 5875 MHz
- Channel bandwidth: 20, 40, 80 MHz
- Modulation: BPSK (1?2), QPSK (1?2), QPSK (3?4), 16QAM (1?2), 16QAM (3?4), 64QAM (2?3), 64QAM (3?4), 64QAM (5?6), 256QAM (3?4), 256QAM (5?6), 1024QAM (3?4), 1024QAM (5?6)
- Antenna gain: 19 dBi
- Polarization: Dual-linear
- Cross-pol isolation: 20 dB
- Beamwidth: Azimuth: 3 dB BW 14 to 17°; Elevation: 3 dB BW 14 to 17°
- Azimuth and elevation beamwidth: 3 dB: 14 to 17°

\*Depends on regulatory region.LEDs

- Power: Flashing white: Bootup in progress; White: Not connected to UISP application; Blue: Connected to UISP application; Flashing blue: Locate in progress; Blue/white: Firmware upgrade in progress
- Ethernet: Flashing blue: Ethernet traffic detected
- GPS: Blue: Receiving at least (4) GPS satellite signal
- Links: White: 5 GHz link, Blue: 60 GHz link

## Specifications

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