

Item no.: WAVE-AP

## UISP Wave Access Point

from **518,93 EUR**

Item no.: WAVE-AP  
shipping weight: 3.10 kg  
Manufacturer: Ubiquiti

### Product Description

The Wave Access Point can connect up to 15 stations and deliver up to 5.4 Gbps total throughput (2.7 Gbps duplex). It is equipped with a high-performance 5 GHz backup radio to ensure uninterrupted connection, as well as a Bluetooth radio to simplify setup in the UISP® Mobile app.

#### Mechanical

- Dimensions: 212 x 205 x 187 mm (8.3 x 8.1 x 7.4")
- Weight: 2.3 kg (5.07 lb)
- Enclosure materials: Aluminum alloy, UV stabilized polycarbonate
- Pole mount diameter: 25 to 76 mm (1 to 3") on pipe outer diameter
- Wind loading: 98 N at 200 km/h (22 lbf at 125 mph)
- Weatherproofing: IPX6

#### Hardware

- Processor: Quad ARM® Cortex®-A53 cores at 1.4 GHz
- Memory: DDR3L 512MB
- Networking interface: (1) 2.5 GbE RJ45 port (100/1000/2500)\*; (1) 10G SFP+ port (1/10)
- Max. power consumption: 24 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 2.5 GbE PoE adapter (included)
- Button: Factory reset
- LEDs: Power, Ethernet, GPS
- Operating temperature: -40°C to 60°C (-40°F to 140°F)
- Operating humidity: 5 to 95% non-condensing
- Certifications: FCC, IC, CE

\* Active only when SFP+ port is down. Software

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

#### System

- Total throughput: 5.4 Gbps (2.7 Gbps duplex)
- Supported clients count: 15
- Range: Connecting to a Wave Long-Range: up to 8 km; Connecting to a Wave Nano: up to 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: 24 dBi
- Polarization: Vertically linear
- Beamwidth: Azimuth: 30°; Elevation: 3 dB 3°, 6 dB 4°
- Electrical downtilt: 0°

\*Depends on regulatory region. Back-Up RF

- WiFi standard: 802.11ax (WiFi 6)
- Operating frequency\*: US/CA: U-NII-1 5150 - 5250 MHz, U-NII-2A 5250 - 5350 MHz, U-NII-2C 5470 - 5725 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: 12 dBi
- Cross-pol isolation: 10 dB
- Electric downtilt: 0°

\*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 white: Ethernet traffic detected; Flashing blue: SFP+ traffic detected
- GPS: Blue: Receiving at least (4) GPS satellite signal

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