

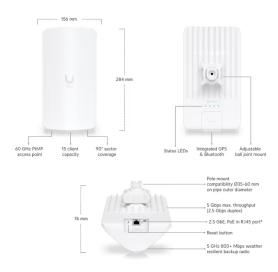
Tech Specs

UniFi UISP Branding

UniFi Cloud Gateways WiFi Switching Cloud Keys & Gateways Camera Security Door Access Phone System New Integrations Accessories

Wave AP Micro

Datasheet Installation Guide Marketing Images



*48V DC, 0.65A 2.5 GbE PoE adapter included.

Mechanical

Dimensions $284 \times 156 \times 76 \text{ mm } (11.2 \times 6.1 \times 3")$

Weight 1.3 kg (2.87 lb)

 Enclosure materials
 Aluminum alloy, UV stabilized polycarbonate

 Mount materials
 Stainless steel, UV stabilized polycarbonate

 Pole mount diameter
 35 to 60 mm (1.4 to 2.4") on pipe outer diameter

Wind loading 87 N at 200 km/h (20 lbf at 125 mph)

Weatherproofing IPX6

Hardware

Processor Quad-core ARM® Cortex®-A53 at 1.4 GHz

Memory DDR3L 512 MB

Networking interface (1) 1/2.5 GbE RJ45 port

Max. power consumption 24W

Power method Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-)

Passive PoE 2-pairs (4, 5+; 7, 8-), for 44-54V DC only

Power supply 48V DC, 0.65A, 2.5 GbE PoE adapter (included)

Supported voltage range 44-54V DC

22-27V DC

GPS Yes

Button Factory reset

LEDs Power, Ethernet, GPS, Link

Operating temperature $-40 \text{ to } 60^{\circ} \text{ C } (-40 \text{ to } 140^{\circ} \text{ F})$

Operating humidity 5 to 95% noncondensing

Certifications FCC, IC, CE

Software

Operating mode PtMP access point

Ubiquiti specific features Wave AI, discovery protocol

Services UISP, ping watchdog, NTP client, SNMP

Tools Antenna alignment, discovery utility, ping, trace route, speed test

Network Bridge mode

Application requirements UISP web: Version 2.2.11 and later

UISP iOS™: Version 2.25.1 and later
UISP Android™: Version 2.27.5 and later

System

Total throughput 5 Gbps (2.5 Gbps duplex)

Supported clients count 15

Max. range Connecting to a Wave Pro: up to 6 km

Connecting to a Wave Long-Range: up to 6 km Connecting to a Wave Nano: up to 4 km

Encryption WPA2-PSK (AES)

RF

Operating frequency* 57-71 GHz

*Depends on regulatory region.

Channel bandwidth 2160, 1080 MHz

Operating channels* 58320, 59400, 60480, 61560, 62640, 63720, 64800, 65880, 66960, 68040, 69120, 70200 MHz

*Depends on regulatory region.

Modulation 16QAM, QPSK

Antenna gain 20 dBi

PolarizationVertically linearBeamwidthAzimuth: 3 dB 90°

Elevation: 3 dB 7°

Electrical downtilt 0°

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

*Depends on regulatory region.

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 13.5 dBi

Polarization Dual-linear

Beamwidth Azimuth: 6 dB 90°

Elevation: 6 dB 25°

Cross-pol isolation 10 dB

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

Link Blue: 60 GHz link

White: 5 GHz link



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