

UniFi **UISP** Branding

Q Search UISP products

60 GHz Wireless

Wireless

Fiber

Wired

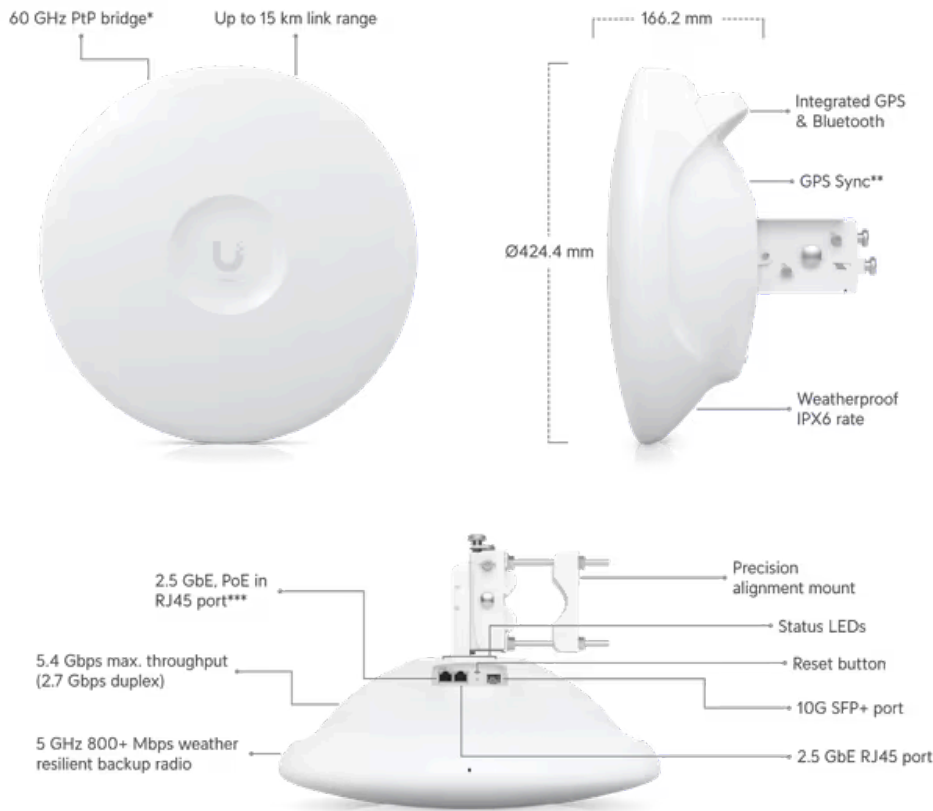
Accessory Tech

Wave 60 GHz > [Wave Pro](#)

Datasheet

Marketing Images

Installation Guide



*Serves as a station for the Wave AP and Wave AP Micro in PtMP mode.

**For devices operating in PtP AP mode with FW version 3.3.0 or later.

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

Mechanical

Dimensions

Ø424.4 x 166.2 mm (Ø16.7 x 6.5")

Weight

Without mount: 2.8 kg (6.2 lb)

With mount: 4 kg (8.8 lb)

Enclosure material	Aluminum alloy, UV stabilized plastic
Mount material	Stainless steel
Pole mount diameter	25 to 76.2 mm (1 to 3") on pipe outer diameter
Wind loading	369 N at 200 km/h (83 lbf at 125 mph)
Weatherproofing	IPX6

Hardware

Processor	Quad-core ARM® Cortex®-A53 at 1.4 GHz
Memory	DDR3L 512 MB
Networking interface	(2) 2.5 GbE RJ45 ports (1) 10G SFP+ port
Max. power consumption	26W
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, (2) Ethernet, SFP+ , GPS, link
Ambient operating temperature	-40 to 60° C (-40 to 140° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE

Software

Operating mode	PtP, 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, cable test*, site survey*

*FW version 3.3.0 and later.

Network

Bridge/Router* mode

*Router is available in PtMP station mode only.

Application requirements

UISP: Version 2.3.0 and later

System**Total throughput**

5.4 Gbps (2.7 Gbps duplex)

Max. range

PtP: Up to 15 km

PtMP: Up to 8 km (Wave AP), up to 6 km (Wave AP Micro)

Encryption

WPA2-PSK (AES)

RF**Operating frequency***

57 to 71 GHz

*Depends on regulatory region.

Channel bandwidth

2160, 1080, 540* MHz

*FW version 3.3.0 and later.

Operating channels*

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

*Depends on regulatory region.

Modulation

16QAM, QPSK

Antenna gain

46 dBi

Polarization

Vertically linear

Beamwidth

Azimuth: 3 dB 1.3°

Elevation: 3 dB 1.3°

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

Max. conducted TX power

27 dBm

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

22 dBi

Polarization

Dual-linear

Beamwidth

Azimuth: 3 dB 8°
 Elevation: 3 dB 8°

Cross-pol isolation

20 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

(2) Flashing blue: Ethernet traffic detected

SFP+

(1) Flashing blue: SFP+ traffic detected

Links

White: 5 GHz link
 Blue: 60 GHz link

GPS

Blue: receiving at least (4) GPS satellite signal

[🔗 Compliance Information](#)