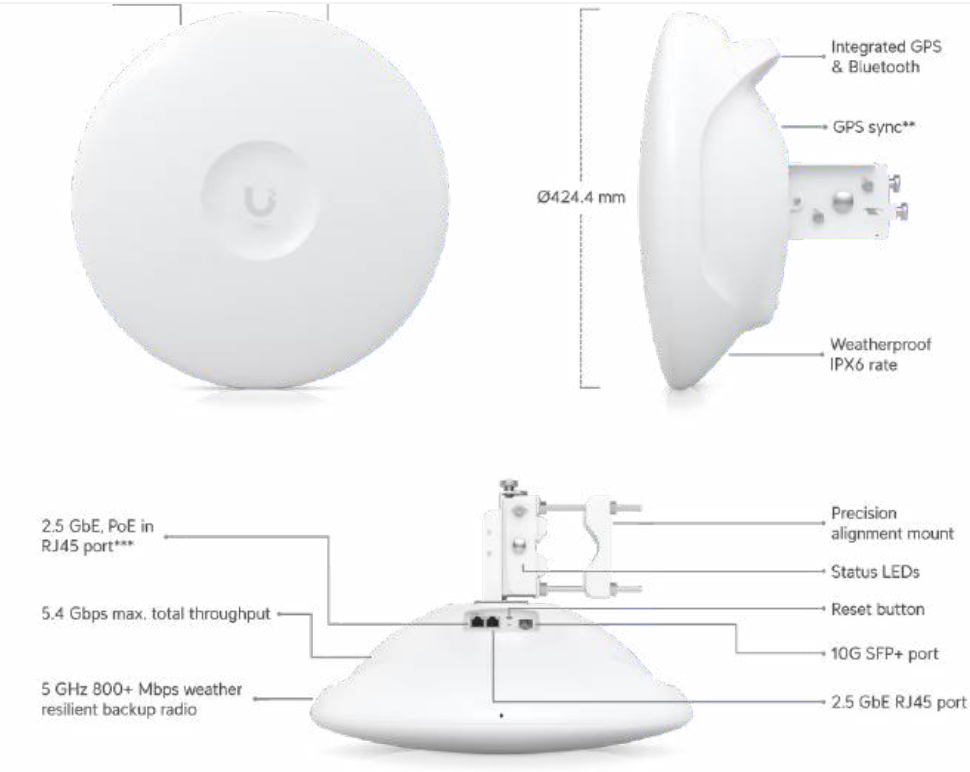


Wave Pro

Wave-Pro

Datasheet | Marketing Images | Accessories | 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	⌀424.4 x 166.2 mm (⌀16.7 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 polycarbonate
Mount Material	Stainless steel
Pole Mount Diameter	25 to 76.2 mm (1 to 3")
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	512 MB

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
Supported Voltage Range	44-54V DC 22-27V DC
Power Supply	48V DC, 0.65A, 2.5 GbE PoE adapter (Included)
GPS	✓
Buttons	(1) Factory reset
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
GPS	Blue: receiving at least (4) GPS satellite signal
Link	White: 5 GHz link Blue: 60 GHz link
SFP+	(1) Flashing blue: SFP+ traffic detected
Ambient Operating Temperature	-40 to 60° C (-40 to 140° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓
Certifications	FCC, IC, CE

Software

Operating Modes	PtP PtMP Station
Ubiquiti Specific Features	
Discovery Protocol	✓
Traffic Shaping with Burst Support	✓ ⓘ

UISP	✓
Ping Watchdog	✓
NTP Client	✓
SNMP	✓
Tools	
Cable Test	✓ ⓘ
Wave AI	✓
Wave Technology	✓
Utilities	
Antenna Alignment	✓
Ping	✓
Site Survey	✓ ⓘ
Speed Test	✓
Traceroute	✓
Discovery Utility	✓
Network	Bridge/Router mode ⓘ
Application Requirements	
UISP	Version 2.3.0 and later

System

Total Throughput	5.4 Gbps
Max. Range	PtP: Up to 15 km (9.3 miles) PtMP: Up to 8 km (5 miles) (Wave AP), up to 6 km (3.7 miles) (Wave AP Micro, Wave AP Gen2)
Encryption	WPA2-PSK (AES)

Radio Frequency

Operating Frequency	

Channel Bandwidth	2160, 1080, 540 MHz
Operating Channels	58320, 59400, 60480, 61560, 62640, 63720, 64800, 65880, 66960, 68040, 69120, 70200, 70560 MHz
Modulation	16QAM, QPSK
Antenna Gain	46 dBi
Polarization	Vertically-Linear
Beamwidth	Azimuth: 3 dB 1.3° Elevation: 3 dB 1.3°

Radio Frequency (Back-Up)

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	22 dBi
Polarization	Dual-Linear
Beamwidth	Azimuth: 3 dB 8° Elevation: 3 dB 8°
Cross-Pol Isolation	20 dB
Electrical Downtilt	0°

Compliance Information

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