



UniFi **UISP** Branding

Q Search UISP products



60 GHz Wireless



Wireless



Fiber



Wired



Accessory Tech

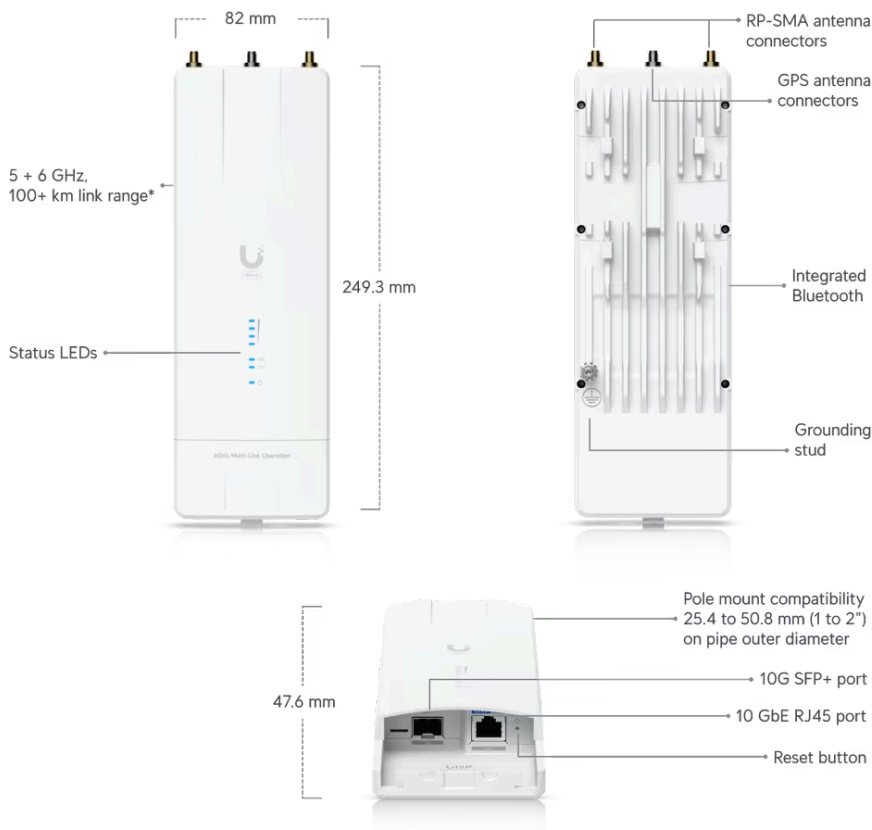
Wave MLO > [Wave MLO6](#)



Wave MLO6

Wave-MLO6

Datasheet Marketing Images Installation Guide



*Max. EIRP limit in the 6 GHz range allowed by the regulatory is 36 dBm.
6 GHz radio is disabled by default; permanent internet connection is required for 6 GHz link operation.

^ Mechanical

Dimensions	249.3 x 82 x 47.6 mm (9.8 x 3.2 x 1.9")
Weight	Without mount: 575 g (1.27 lb) With mount: 595 g (1.31 lb)
Enclosure Material	Aluminum alloy, UV-resistant polycarbonate
Mount Material	Strap: stainless steel Universal bracket: UV-resistant polycarbonate
Mounting	Pole Mount
Pole Mount Diameter	1—2" (25.4—50.8 mm)

Weatherproofing IPX6

^ Hardware

Processor	Quad-core IPQ5322 at 1.5 GHz
Memory	1 GB
Networking Interface	(1) 10 GbE RJ45 port (1) 10G SFP+ port
Max. Power Consumption	20W
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	54V DC, 0.56A, 10 GbE PoE adapter (Included)
MIMO	
5 GHz	2 x 2
6 GHz	2 x 2
Max. TX Power	
5 GHz	24 dBm
6 GHz	24 dBm ⓘ
GPS	✓
RF Connections	(2) RP-SMA (Waterproof) (1) GPS (Waterproof)
Buttons	(1) Factory reset
LEDs	
Power	(1) Blue
Ethernet	(1) Blue
GPS	(1) Blue
Signal Strength	(4) Blue
Ambient Operating Temperature	-40 to 60° C (-40 to 140° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓
Certifications	FCC, IC

^ Software

Operating Modes	PtP
Services	
UISP	✓
Ping Watchdog	✓

NTP Client ✓

Utilities

- Antenna Alignment ✓
- Ping ✓
- Site Survey ✓
- Speed Test ✓
- Traceroute ✓
- Discovery Utility ✓

Network Bridge Mode

^ System

Total Throughput 8+ Gbps

Max. Range 100 km (62.1 mi) ⓘ

Encryption WPA3-PSK (AES)

^ Radio Frequency

Operating Frequency

US/CA

5 GHz: 5180 - 5320, 5500 - 5700, 5745 - 5825 MHz

6 GHz: 5945 - 6425, 6525 - 6875 MHz

Channel Bandwidth

Radio 1: 20, 40, 80, 160, 240 MHz

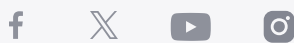
Radio 2: 20, 40, 80, 160, 320 MHz

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), 4096QAM (3/4), 4096QAM (5/6)

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