

Ubiquiti UISP Wave-Pro – Datasheet



Mechanical Specifications

Dimensions	Ø424.4 × 166.2 mm (Ø16.7 × 6.5")
Weight	Without mount 2.8 kg; With mount 4 kg
Enclosure	Aluminum alloy + UV-stabilized plastic
Mount	Stainless steel, pole-compatible (25–76.2 mm)
Wind loading	369 N @ 200 km/h (IPX6 weatherproof)

Hardware Specifications

Processor	Quad-core ARM Cortex-A53 @ 1.4 GHz
Memory	DDR3L 512 MB
Ports	(2) 2.5 GbE RJ45, (1) 10 Gb SFP+
Max power consumption	26 W
Power	Passive PoE (4-pair & 2-pair for 44–54 V & 22–27 V DC ranges)
Included PoE adapter	48 V DC, 0.65 A (2.5 GbE)
Extras	GPS and factory-reset button

60 GHz Radio Specifications

Frequency	57–71 GHz (region-dependent)
Channel bandwidth	2160/1080/540 MHz (latter in FW ≥ 3.3.0)
Throughput	Up to 5.4 Gbps (2.7 Gbps duplex)
Range	PtP ≤15 km, PtMP ≤8 km (Wave AP), ≤6 km (Wave AP Micro)
Antenna	46 dBi, vertically polarized, 3 dB beamwidth 1.3°
Modulation	16QAM, QPSK
Encryption	WPA2-PSK (AES)

Backup 5 GHz Wi-Fi 6 Radio

Standard	802.11ax
Frequency	5150–5875 MHz
Bandwidths	20/40/80 MHz
Tx Power	27 dBm
Antenna	22 dBi dual-linear, 3 dB beamwidth ~8°, cross-pol isolation 20 dB
Modulation	BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM

Software & System

Operating mode	PtP and PtMP station
UISP service compatibility	≥ v2.3.0
Features	Wave technology, discovery, management via UISP (incl. ant alignment, ping, trace, site/cable test, traffic shaping)
Total system throughput	5.4 Gbps
Mode	Bridge/Router (Router mode available in PtMP station)
Environment	–40 to 60 °C, 5–95% non-condensing

LED Indicators

Indicators	Power, (2) Ethernet, SFP+, GPS, Link
Status Signals	For 5 GHz/60 GHz link via color differentiation

Environmental & Compliance

Certifications	FCC, IC, CE
Weatherproofing	IPX6
NDAA compliant	Yes