Wave Pico

Wave-Pico

*48V DC, 0.5A GbE PoE adapter included.

Mechanical

Dimensions	Ø152.1 x 55.8 mm (Ø6 x 2.2")
Weight	Without mount: 347 g (12.2 oz) With mount: 409 g (14.4 oz)
Enclosure material	UV stabilized polycarbonate
Mount material	UV stabilized polycarbonate
Pole mount diameter	20 to 53.1 mm (0.8 to 2.1") on pipe outer diameter
Wind loading	31.3 N at 200 km/h (7 lbf at 125 mph)
Weatherproofing	IPX6

Hardware

Processor	Dual-core ARM® Cortex®-A53 at 1 GHz
Memory	DDR3L 512 MB
Networking interface	(1) GbE RJ45 port
Max. power consumption	10W
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, 0.5A gigabit PoE adapter (Included) Can be powered by a UISP Router or UISP Switch
Supported voltage range	44–54V DC 22–27V DC
GPS	No
Button	Factory reset
LEDs	Power, Ethernet, 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	PtMP station, PtP
Ubiquiti specific features	Wave AI, discovery protocol
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 web: Version 2.4.61 and later UISP mobile iOS™: Version 2.32.0 and later UISP mobile Android™: Version 2.31.9 and later

System

Total throughput	2 Gbps (1 Gbps duplex)
Max. range	Up to 1.3 km (Wave AP) Up to 0.9 km (Wave AP Micro)
Encryption	WPA2-PSK (AES)

RF

Operating frequency*	57–71 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	27.7 dBi
Polarization	Vertically linear
Beamwidth	Azimuth: 3 dB 6° Elevation: 3 dB 6°

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	5180 - 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	9 dBi

Polarization	Dual-linear
Beamwidth	Azimuth: 3 dB 50° Elevation: 3 dB 50°
Cross-pol isolation	15 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
Links	White: 5 GHz link Blue: 60 GHz link