

Mechanical

Dimensions	779 x 664 x 383 mm (30.7 x 26.1 x 15.1")
Weight	Without mount: 8.6 kg (19 lb) With mount: 13 kg (28.7 lb)
Enclosure material	UV stabilized polycarbonate, steel
Mount material	Galvanized steel
Mounting	Precision alignment kit (included) Pole compatibility: Ø40 to 80 mm (Ø1.5 to 3.15") on pipe outer diameter
Wind loading	422 N at 200 km/h (94.86 lbf at 125 mph)
Weatherproofing	IPX6

Hardware

Processor	Quad-core ARM® Cortex®-A53 at 1.4 GHz
Memory	DDR3L1 GB
Networking interface	(1) GbE RJ45 port (1) 1/10G SFP+port
Max. power consumption	24W
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 gigabit PoE adapter (Included)
Supported voltage range	44–54V DC 22–27V DC
GPS	Yes
RF connections	Internal
Button	Factory reset
Ambient operating temperature	-40 to 55° C (-40 to 131° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE

Software

Operating mode	PtP only
Ubiquiti specific features	Integrated 60 GHz radio, discovery protocol, Wave technology
Services	UISP, ping watchdog, NTP client, device discovery
Tools	Antenna alignment, discovery utility, ping, trace route, speed test
Network	Bridge mode
Management application	UISP web: Version 1.4.3 and later UISP iOS™: Version 2.20 and later UISP Android™: Version 2.21.5 and later

System

Max. throughput	2.7 Gbps
Max. range	15+ km
Encryption	WPA2-PSK (AES)

RF

Operating frequency*	57–71 Ghz <small>* Depends on regulatory region.</small>
Channel bandwidth	2160, 1080 MHz
Operating channels*	58320, 59400, 60480, 61560, 62640, 63720, 64800, 65880, 66960, 68040, 69120 MHz <small>* Depends on regulatory region.</small>
Management radio	2400–2483.5 MHz
Modulation	16QAM, BPSK, QPSK
Polarization	Vertically linear
Beamwidth	Azimuth: 3 dB 1.4° Elevation: 3 dB 1.4°
Electrical downtilt	0°

Back-Up RF

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
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Worldwide 5150 - 5875 MHz

*Depends on regulatory region.

Channel bandwidth 20, 40, 80 MHz

Modulation BPSK ($\frac{1}{2}$), QPSK ($\frac{1}{2}$), QPSK ($\frac{3}{4}$), 16QAM ($\frac{1}{2}$), 16QAM ($\frac{3}{4}$), 64QAM ($\frac{2}{3}$), 64QAM ($\frac{3}{4}$), 64QAM ($\frac{5}{6}$), 256QAM ($\frac{3}{4}$), 256QAM ($\frac{5}{6}$)

Antenna gain 26 dBi

Polarization Dual-linear

Beamwidth Azimuth: 3 dB 5°
Elevation: 3 dB 5°

Cross-pol isolation 14 dB

Electrical downtilt 0°

LEDs

Power Flashing white: bootup in progress
White: not connected to UISP application
Blue: connected to UISP application

Ethernet Flashing blue: Ethernet activity

GPS Blue: receiving at least (4) GPS satellite signals

Link Blue: 5GHz link
Blue: 60GHz link