

Tech Specs

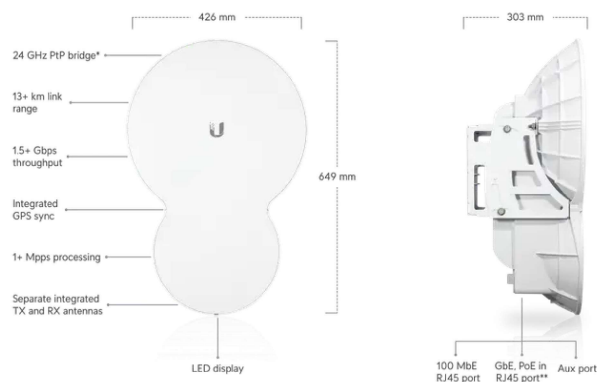
UniFi UISP Branding

60 GHz Wireless Wireless Fiber Wired Accessory Tech

Wireless / airFiber 24

Datasheet

Marketing Images



*airFiber is normally purchased in pairs to form a single link.
**50V DC, 1.2A GbE PoE adapter included.

Mechanical

Dimensions	649 x 426 x 303 mm (25.55 x 16.77 x 11.93")
Weight	10.5 kg (23.15 lb)
Mounting	Pole mount kit (Included)
Wind loading	480 N @ 200 km/h (108 lbf @ 125 mph)
Wind survivability	200 km/h (125 mph)

Hardware

Networking interface	(1) GbE RJ45 port (1) 10/100 MbE RJ45 port
Auxiliary port	(1) RJ-12, alignment tone port
Power method	Passive PoE
Power supply	50V, 1.2A PoE GigE adapter (Included)
Supported voltage range	42—58V DC
Max. power consumption	50 W
Operating frequency	24.05 - 24.25 GHz
Operating temperature	-40 to 55° C (-40 to 131° F)
Certifications	CE, FCC, IC

System

Max. throughput	1.5+ Gbps
Ma. range	13+ km
Packets per second	1+ million
Encryption	128-bit AES
Uplink/Downlink ratio	50% fixed

RF

GPS	GPS clock synchronization
EIRP	~33 dBm (FCC/IC) ~20 dBm (CE) ~40 dBm (Other Regions)
Frequency accuracy	±2.5 ppm without GPS synchronization ±0.2 ppm with GPS synchronization
Channel bandwidth	100 MHz
Operating frequency	24.05 - 24.25 GHz
Operating channels	24.1 GHz, 24.2 GHz
Modulation	64QAM MIMO 16QAM MIMO QPSK MIMO QPSK SISO ¼x QPSK SISO
Gain	
TX	33 dBi
RX	38 dBi
Beamwidth	< 3.5°
Front-to-back ratio	70 dB
Polarization	Dual-slant
Cross-polarity liolation	> 28 dB

LEDs

System	(8) Status LEDs: Data port speed Data port link/activity Configuration port speed Configuration port link/activity GPS synchronization Modulation mode Master/slave RF status (1) Two-digit LED display calibrated in dBm
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