

Tech Specs

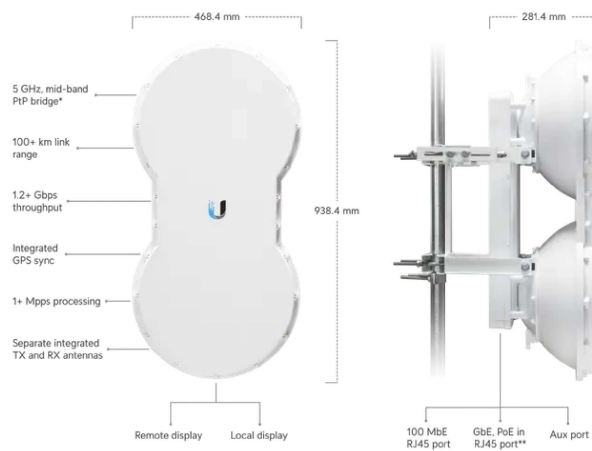
UniFi UISP Branding

60 GHz Wireless Wireless Fiber Wired Accessory Tech

Wireless / airFiber 5 High-Band

Datasheet

Marketing Images



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

Mechanical

Dimensions	938.4 x 468.4 x 281.4 mm (36.94 x 18.44 x 11.08")
Weight	16 kg (35.27 lb)
Mounting	Pole mount kit (Included)
Wind Loading	863 N @ 200 km/h (194 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	40 W
Operating temperature	-40 to 55°C (-40 to 131° F)
Certifications	CE, FCC, IC

System

Max. throughput	1.2+ Gbps
Max. range*	100+ km *Dependent on regulatory region.
Packets per second	1+ million
Encryption	128-Bit AES
Uplink/Downlink Ratio	50% Fixed
Radio Frame Synchronization	GPS

RF

Operating frequency	5725 - 5850 MHz (FCC 15.247, IC RSS-210) 5725 - 5875 MHz (ETSI EN 302 502) 5725 - 6200 MHz (Other Regions)
GPS	GPS Clock Synchronization
EIRP	-50 dBm *Dependent on regulatory region and frequency band.
Frequency accuracy	±2.5 ppm without GPS synchronization ±0.2 ppm with GPS synchronization
Channel bandwidth	10/20/30/40/50 MHz
Modulation	1024QAM MIMO 256QAM MIMO 64QAM MIMO 16QAM MIMO QPSK MIMO ½ Rate QPSK xRT ¼ Rate QPSK xRT
Gain	
TX	23 dBi
RX	23 dBi
Beamwidth	6°
Front-to-back ratio	70 dB
Polarization	Dual-slant
Cross-polarity isolation	> 28 dB

LEDs

System	(12) Status LEDs: Data port pink/activity Data port speed Management port link/activity Management port speed GPS synchronization Master/slave Link status Modulation mode 0.25x to 4x, 6x, 8x, 10x (unlabelled), overload Remote and local displays (Calibrated signal strength)
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