airFiber 60 Long-Range

AF60-LR

60 GHz PtP bridge*
12+ km link range
360 mm
Ø413 mm
Status LEDs
Precision alignment mount

2 Gbps max. throughput
Integrated GPS & Bluetooth
Reset button
GbE, PoE in RJ45 port**
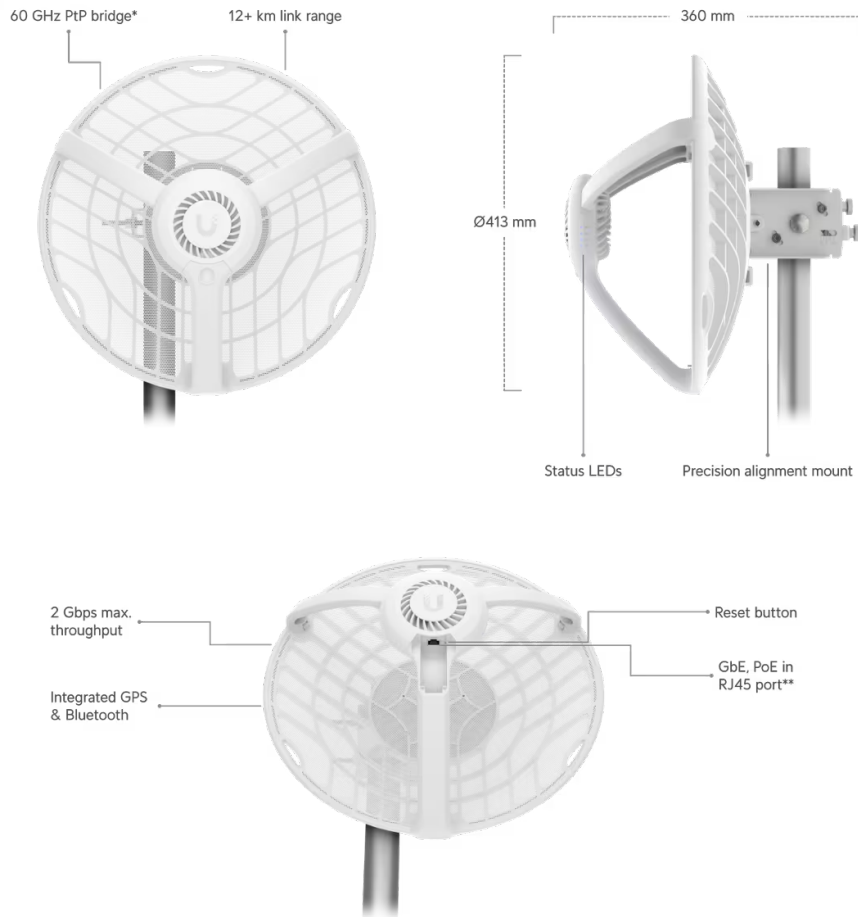
*airFiber is normally purchased in pairs to form a single link.
**48V DC, 0.65A GbE PoE adapter included.

Mechanical

Dimensions	Ø413 x 360 mm (Ø16.3 x 14.2")
Weight	Without mount: 1.5 kg (3.3 lb) With mount: 2.7 kg (6 lb)
Enclosure materials	Aluminum, UV stabilized polycarbonate
Mount material	Galvanized steel
Mounting	Precision alignment kit (included) Pole compatibility: Ø25.4 to 76.2 mm (Ø1 to 3")
Wind loading	420 N at 200 km/h (94.4 lbf at 125 mph)

Hardware

Processor	Quad-Core ARM® Cortex® A7
Memory	256 MB DDR3
Networking interface	(1) GbE RJ45 port
Max. power consumption	22W

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
ESD/EMP protection	Air/contact: ± 24kV
Operating temperature	-40 to 60° C (-40 to 140° F)
Operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE

Software

Operating mode	PtP only
Ubiquiti specific features	Wave technology, discovery utility
Network	Bridge mode
Services	UISP, ping watchdog, NTP client
Tools	Antenna alignment, discovery utility, ping, trace route, speed test
Software management	Bluetooth management for easy setup over UISP app
	WEB UI
Minimum software requirements	Any modern web browser/iOS™ or Android™ based smartphone

System

Max. throughput	1.95 Gbps
Max. range	12+ km
Encryption	WPA2-PSK (AES)

RF

Operating frequency*	57–71 Ghz
	* Depends on regulatory region.
Channel bandwidth	2160, 1080 MHz
Polarization	Vertically linear
Beamwidth	Azimuth: 3 dB 1.6°
	Elevation: 3 dB 1.6°

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

60G
Blue: active connection