60 GHz Wireless   Wireless   Fiber   Wired   Accessory Tech

airFiber 60 GHz ❯ airFiber 60 Xtreme-Range

Datasheet	Marketing Images	Installation Guide

60 GHz PtP bridge*   15+ km link range

383 mm

779 mm

664 mm

Weatherproof
IPX6 rate

Precision alignment mount
Ø40 to 80 mm pole compatible

5 GHz 800+ Mbps
weather resilient backup
radio

Integrated GPS
& Bluetooth

5.4 Gbps max.
total throughput

Status LEDs

GbE, PoE in
RJ45 port**

10G SFP+port

Reset button
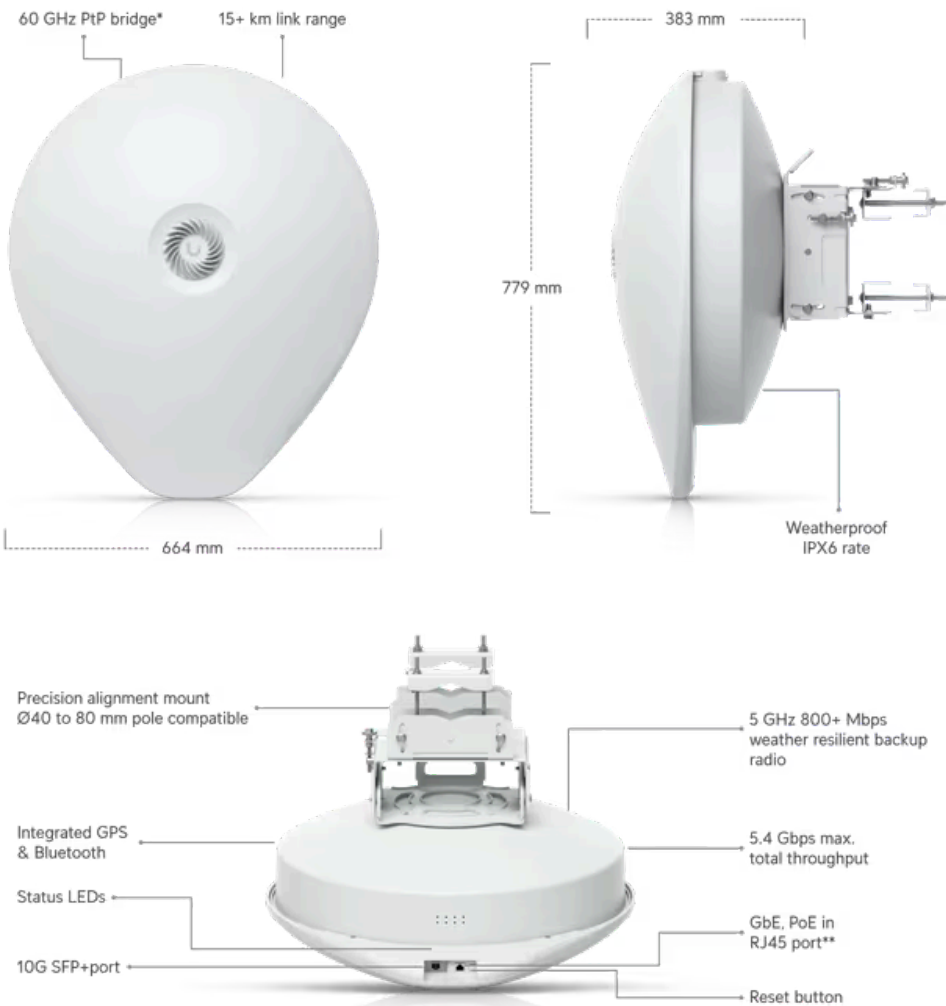
*airFiber is normally purchased in pairs to form a single link.
**48V DC, 0.65A GbE PoE adapter included.

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
NDAA Compliant	Yes

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. total throughput	5.4 Gbps
Max. range	15+ km
Encryption	WPA2-PSK (AES)

RF

Operating frequency*	57–71 GHz * Depends on regulatory region.
Channel bandwidth	2160, 1080, 540* MHz *FW version 1.2.0 and later.
Operating channels*	58320, 59400, 60480, 61560, 62640, 63720, 64800, 65880, 66960, 68040, 69120 MHz *Depends on regulatory region.
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
Worldwide	5150 - 5875 MHz

*Depends on regulatory region.

Channel bandwidth	20, 40, 80 MHz
Modulation	BPSK (½), QPSK (½), QPSK (¾), 16QAM (½), 16QAM (¾), 64QAM (2⁄3), 64QAM (¾), 64QAM (5⁄6), 256QAM (¾), 256QAM (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: 5 GHz link
	Blue: 60 GHz link

🔗 **Compliance Information**