



# airFiber 60 XR

Multi-gigabit, 60 GHz bridge with SFP+ support and a 15+ km link range.

The airFiber® 60 XR (AF60 XR) is a 60 GHz radio designed to facilitate 2.5+ Gbps connectivity over very long distances. The AF60 XR features an integrated, high-gain dish antenna that establishes high-speed, point-to-point (PtP) links. It utilizes Wave Technology to deliver incredible, long-range performance within the 60 GHz spectrum. Additionally, the AF60 XR has a built-in 5 GHz failover radio for operational redundancy as well as a Bluetooth management radio to simplify setup and configuration.



## Mechanical

Dimensions	779 x 664 x 383 mm (30.68 x 26.14 x 15.06")
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: Ø40-80 mm (Ø1.5-3.15")
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	1 GB DDR3L
Networking interface	(1) GbE RJ45 port (1) 1/10G SFP+port
Button	Factory reset
RF connections	Internal
Max. power consumption	24W
Power method	Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-) or 2-pairs (4, 5+; 7, 8-)
Power supply	48VDC, 0.65A gigabit PoE adapter (included)
Supported voltage range	48V ±10%
Operating temperature	-40 to 55° C (-40 to 131° F)
Operating humidity	5 - 95% noncondensing
Certifications	FCC, IC, CE

## LEDs

Power	Flashing white: bootup in progress White: not connected to UISP™ console Blue: connected to UISP console
Ethernet	Flashing blue: ethernet activity
GPS	Blue: receiving at least (4) GPS satellite signals
60G	Blue: active connection
5G	Blue: active connection

## Software

OS	airOS®
Operating mode	PtP only
Ubiquiti specific features	Integrated 60 GHz radio, discovery protocol, Wave technology
Network	Bridge mode
Services	UISP™; ping watchdog, NTP client, device discovery
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

Maximum throughput	2.5+ Gbps
Maximum 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>
Modulation	16QAM, BPSK, QPSK
Beamwidth	Azimuth: ± 1° Elevation: ± 1°
Management radio	2400 - 2483.5 MHz
Electrical downtilt	0°

## Back-Up RF

Operating frequency*	US/CA	U-NII-1	5150 - 5250 MHz
		U-NII-3	5725 - 5850 MHz
	Worldwide		5150 - 5875 MHz
<small>*Depends on regulatory region.</small>			
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		
Beamwidth	Azimuth: ± 7° Elevation: ± 7°		
Cross-pol isolation	14 dB		
Electrical downtilt	0°		



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at [www.ui.com/support/warranty](http://www.ui.com/support/warranty)

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