

## airFiber 60 GHz Long-Range Radio

### airFiber 60 GHz Radio System Featuring Wave Technology with True Duplex Gigabit Performance for PtP Links over 12 km Distances

AF60 LR is a 60GHz radio designed for high-throughput connectivity over an extended range. The airFiber 60 LR features the integrated high-gain dish antenna for high speed, long-range performance Point-to-Point (PtP) links. New WaveTechnology enables incredible long-range performance within the 60GHz spectrum.

Includes a built-in Bluetooth management radio for easy setup.

#### Features:

- Low-Interference 60 GHz Spectrum
- Integrated GPS
- Long Range, Up to 12 km
- Precision Alignment Mount Included
- link.ui.com Planning Support
- Quick Setup Using the \*UISP™ App via Bluetooth



UNMS Controller will change to [UISP™](#) Controller from version 1.3.0 onward.

### Product Specifications

#### Mechanical

Dimensions:	Ø413 x 360 mm _ (Ø16.3 x 14.2")
Weight:	IPWithout Mount: 1.5 kg (3.3 lb) With Mount: 2.7 kg (6 lb)45
Enclosure Characteristics:	Aluminum / UV Stabilized Polycarbonate

#### Hardware

Processor:	Quad-Core ARM Cortex A7
Memory:	256 MB DDR3
Networking Interface:	10/100/1000 Mbps RJ45 Ethernet
RF Connections:	Internal
Max. Power Consumption:	18W
Power Method:	Passive PoE (Pairs 4, 5+; 7, 8-)
Power Supply:	48VDC, 0.65A Gigabit PoE Adapter
Supported Voltage Range:	48VDC ± 10%
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

## Leds

Power:	Flashing White: Bootup in Progress White: Not Connected to Ubiquiti® Network Management System (UISP™) Blue: Connected to UISP
Ethernet:	Flashing Blue: Ethernet Traffic Detected
GPS:	Blue: Receiving at Least (4) GPS Satellite Signals
60G:	Blue: Active Connection

## System

Maximum Throughput:	1.8 Gbps
Maximum Range:	12 km
Encryption:	WPA2-PSK (AES)

## Software

OS:	1.8 Gbps
Modes:	PtP Only
Services:	WPA2-PSK (AES)
Utilities:	1.8 GAntenna Alignment Tool, Discovery Utility, Ping, Traceroute, Speed Testbps
Network:	Bridge Mode
Management interface:	Bluetooth management for easy setup over UISP™ App WEB UI
Minimum Software Requirements:	Modern Web Browser or Android/iOS Smartphone
Technology:	Wave

## RF

Operating Frequency*:	57 to 71 Ghz
Max. Conducted TX Power:	21 dBm
GPS:	Yes
Channel Bandwidth:	2160, 1080 Mhz
Antenna Gain:	43 dBi

