

airFiber 60 LR

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 Wave Technology enables incredible long-range performance within the 60GHz spectrum.

It includes a built-in Bluetooth management radio for easy setup.



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 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 UISP™ Controller Blue: Connected to UISP Controller
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	airOS®
Modes	PtP Only
Services	UISP, Ping Watchdog, NTP Client, System Log
Utilities	Antenna Alignment Tool, Discovery Utility, Ping, Traceroute, Speed Test
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 <small>*Depends on regulatory region.</small>
GPS	Yes
Channel Bandwidth	2160, 1080 MHz



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at www.ui.com/support/warranty

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