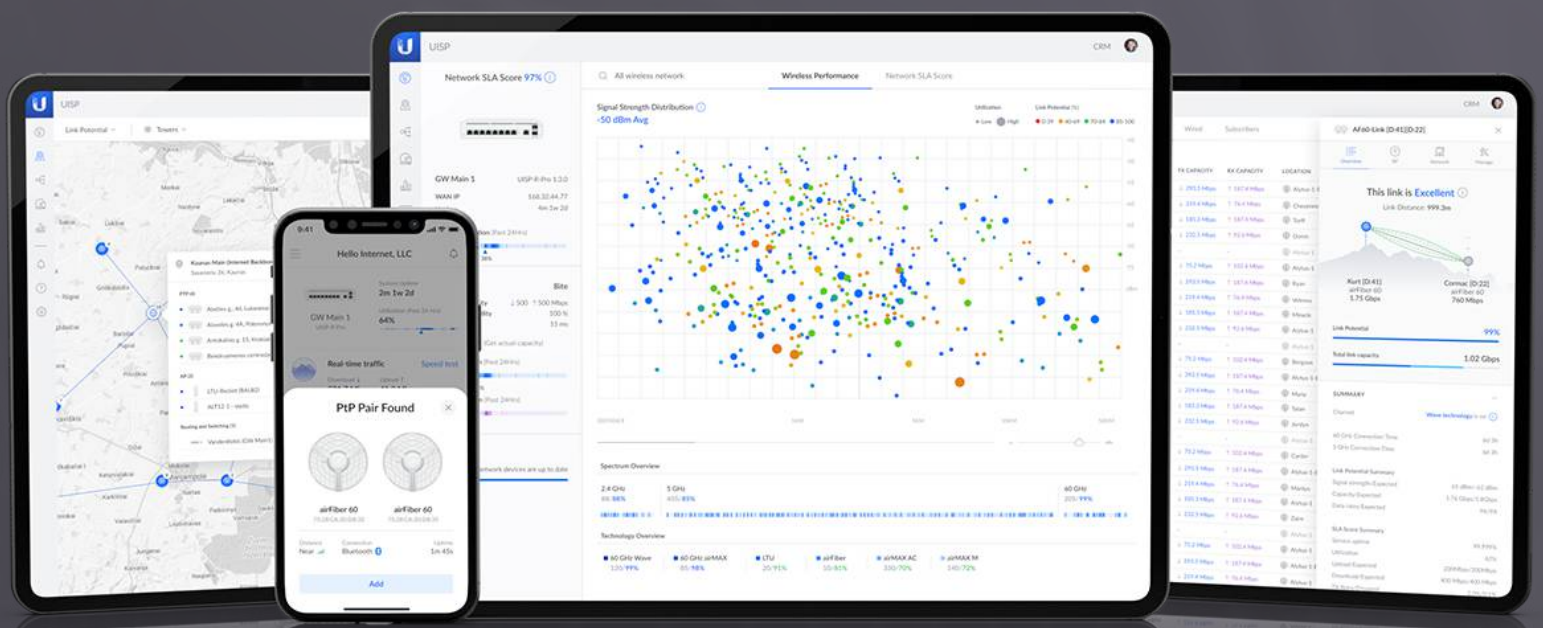
airFiber® 60 LR

Datasheet
AF60-LR

UISP



airFiber 60 LR



60 GHz point-to-point (PtP) radio system with a 1.9 Gbps maximum throughput rate and a 12+ kilometer link range.

The airFiber 60 GHz Long-range Radio (AF60 LR) is a PtP system that uses Wave Technology to establish long-distance, true-duplex Gigabit links. Equipped with a high-gain dish antenna, the AF60 LR can reach a 1.9 Gbps maximum throughput rate and sustain its links over 12 km. It also has a dedicated Bluetooth management radio so it can be set up quickly and fully configured with the UISP® application (web/mobile). It can also be seamlessly integrated into an existing deployment with Ubiquiti's dedicated link planning platform and tracked from anywhere with its built-in GPS antenna.

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: Ø25.4-76.2 mm (Ø1-3")
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	GbE RJ45 port
RF connections	Internal
Max. power consumption	18W
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	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™ console Blue: connected to UISP console
Ethernet	Flashing blue: ethernet activity
GPS	Blue: receiving at least (4) GPS satellite signals
60G	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	1.95 Gbps
Maximum range	12+ km
Encryption	WPA2-PSK (AES)

RF

Operating Frequency*	57~71 GHz *Depends on regulatory region.
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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