airFiber 60 Long-Range (AF60-LR) – Datasheet

Mechanical Specifications

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 Material	Aluminum, UV stabilized polycarbonate
Mount Material	Galvanized steel
Mounting	Precision alignment kit (included)
Pole Compatibility	Ø25.4 to 76.2 mm (Ø1 to 3")
Wind Loading	420 N at 200 km/h (94.4 lbf at 125 mph)

Hardware Specifications

Processor	Quad-Core ARM® Cortex® A7
Memory	256 MB DDR3
Networking Interface	(1) GbE RJ45 port
Max. Power Consumption	22W
Power Method	Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-)
Power Supply	48V DC, 0.65A gigabit PoE adapter (Included)
Supported Voltage Range	44–54V DC; 22–27V DC

GPS	Yes
RF Connections	Internal
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
NDAA Compliant	Yes

Wireless Specifications

Operating Frequency	57–71 GHz (Depends on regulatory region)
Channel Bandwidth	2160, 1080 MHz
Polarization	Vertically linear
Beamwidth	Azimuth: 3 dB 1.6°; Elevation: 3 dB 1.6°
Max. Throughput	1.95 Gbps
Max. Range	12+ km
Encryption	WPA2-PSK (AES)

Software Features

Operating Mode	PtP only
Ubiquiti Specific Features	Wave technology, discovery utility
Network	Bridge mode
Services	UISP, ping watchdog, NTP client
Tools	Antenna alignment, discovery utility, ping, trace route, speed test
Software Management	Bluetooth management for easy setup over UISP app
Web UI	Any modern web browser/iOS™ or Android™ based smartphone

LED Indicators

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
60G	Blue: active connection