



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.

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 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

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|----------|--|
| 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

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|-------------------------------|---|
| 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 <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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