

## Ubiquiti airFiber AF-2X 2.4 GHz Backhaul Radio - Complete Link



**Product Name:** Ubiquiti airFiber AF-2X 2.4 GHz Backhaul Radio - Complete Link

**Manufacturer:** Ubiquiti Networks

**Model Number:** AF-2X-Link

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Please Note: The Ubiquiti airFiber AF-2X complete link is a radio operates only with an airFiber X antenna AF-2G24-S45. Antenna dishes can be added with the dropdown boxes above. If you require more, please contact us. Alternatively, you can purchase these separately.

The Ubiquiti airFiber AF-2X is a carrier backhaul radio that operates on the 2.4 GHz licence free frequency. Featuring proprietary protocol integration, the AF-2X increases both range and delivered throughput. Ubiquiti airFiber AF-2X Features

- 500 + Mbps Throughput
- 2.4 GHz Frequency
- 2x2 MIMO connectorized
- Model Number: AF-2X
- Up to 200+ km Range
- Antenna Compatibility: AF-2G24-S45



**Deployment Flexibility**The compact form factor allows the airFiber X to be used with airFiber Slant 45 antennas, or instantly upgrade a 5 GHz Rocket&trade;link that uses a RocketDish&trade;RD&#8209;5G30/RD&#8209;5G34\* antenna.

Ubiquiti airFiber AF-2X - Technical Specification

General

- **Dimensions:** - Radio: 224 x 82 x 48 mm (8.82 x 3.23 x 1.89") - Box: 261 x 107 x 107 mm (10.28 x 4.21 x 4.21")
- **Weight:**- Radio: 0.35 kg (0.77 lb) - Box: 1.1 kg (2.43 lb)
- **RF Connectors:**- (2) RP-SMA Weatherproof (CH0, CH1)- (1) SMA Weatherproof (GPS)
- **GPS Antenna:** External, Magnetic Base

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- Power Supply: 24V, 1A PoE Gigabit Adapter (Included)
- Power Method:- Passive Power over Ethernet- Pins 1, 2, 4, 5 (+) and Pins 7, 8, 3, 6 (-)
- Max. Power Consumption: 17W @ Max. Power/Duty Cycle
- Supported Voltage Range: +18 to +54VDC
- Automatic Transmit Power Control (ATPC): Yes
- Mounting:- airFiber X Mount (Rocket Mount Compatible)- GPS Pole Mount (Included)
- Certifications: CE, FCC, IC
- Operating Temperature: -40 to 55&deg; C (-40 to 131&deg; F)

### Networking Interface

- Data Port: (1) 10/100/1000 Ethernet
- Port Management Port: (1) 10/100 Ethernet Port

### System

- Processor: INVICTUS IC
- Maximum Throughput: 687 Mbps
- Maximum Range: 200+ km
- Packets per Second: 1+ Million
- Encryption: 128-bit AES
- OS: airOS F
- Wireless Modes: Master/Slave
- Latency Half Duplex Mode: <math>\leq 2\text{ ms}</math> at Full Throughput
- MTU (Maximum Transmission Unit): Up to 9600

### Radio

- Frequency Range: 2300-2700 MHz (Dependent on Regulatory Region)
- Max. Conducted TX Power: 30 dBm (Dependent on Regulatory Region)
- Frequency Accuracy:-  $\pm 2.5\text{ ppm}$  without GPS Synchronisation-  $\pm 0.2\text{ ppm}$  with GPS Synchronisation
- Channel Bandwidth:- 3.5/5/7/10/14/20/28/30/40/50/56 MHz Selectable- Programmable Uplink and Downlink Duty Cycles - Independently Programmable TX and RX Frequencies

### Suggested Max. TX Power

- 8x: 23 - 24 dBm
- 6x: 25 - 26 dBm
- 4x: 27 - 28 dBm
- 2x: 30 dBm
- 1x: 30 dBm

**Price: £829.20**