

Ubiquiti airFiber 24 GHz Point-to-Point Radio Single Unit



Product Name: Ubiquiti airFiber 24 GHz Point-to-Point Radio Single Unit

Manufacturer: Ubiquiti Networks

Model Number: AF-24

Ubiquiti airFiber 24 GHz Point-to-Point Radio Single Unit (AF-24)

Please Note: The price listed on this page is for a single unit. We also recommend you upgrade device firmware to the latest version, which improves performance and fixes known issues for the Ubiquiti airFiber.

The Ubiquiti airFiber 24 GHz Point-to-Point single unit (AF-24) 4 is ideal for outdoor, PtP bridging and carrier-class network backhauls.

Ubiquiti airFiber 24 GHz Key Features

- Frequency - 24 GHz
- Throughput - 1.4+ Gbps
- Range - 13+ km

The Ubiquiti airFiber is housed in a compact, highly efficient form factor, enabling it to deliver revolutionary performance of 1.4+ Gbps, with an aggregate throughput and 13+ km in range. The airFiber ushers in a new era in price-disruptive, carrier-class backhaul technology.

Revolutionary Performance Designed to be a high-performance backhaul, the airFiber®24 delivers amazing wireless throughput of up to 1.4+ Gbps, surpassing conventional wired backhauls.

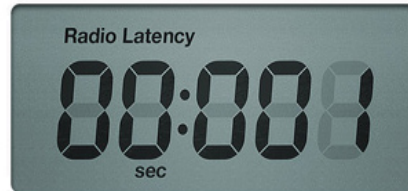


Proven Links: 13+ km Robust enough to perform in the harshest RF noise environments, the airFiber®24 delivers superior performance with efficiency over real-world, 13+ km links.



Low-Latency Carrier Backhaul The airFiber 24 supports FDD (Frequency Division Duplexing) in full-duplex mode for $\lt; 1\text{ ms}$ latency, resulting in increased efficiency for carrier-class network backhauls.

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24 GHz Unlicensed Band The airFiber 24 operates in worldwide, license-free, 24 GHz frequencies. Users can deploy airFiber24 almost anywhere they choose (subject to local country regulations).



Ubiquiti airFiber 24 GHz Point-to-Point radio Technical Specification General

- Operating Frequency 24.05 – 24.25 GHz
- Dimensions 938.4 x 468.4 x 281.4 mm
- Weight 16
- Max. Power Consumption < 50W
- Power Supply 50V, 1.2A PoE GigE Adapter (Included)
- Power Method Passive Power over Ethernet (42-58VDC)
- Certifications CE, FCC, IC
- Mounting Pole Mount Kit (Included)
- Operating Temperature -40 to 55°C (-40 to 131° F)
- LEDs (8) Status LEDs: Data Port Speed, Data Port Link/Activity, Configuration Port Speed, Configuration Port Link/Activity, GPS Synchronization, Modulation Mode, Master/Slave, RF Status, (1) Two-Digit LED Display Calibrated in dBm
- Product Model Number: AF-24-LINK

Interface

- Data Port (1) 10/100/1000 Ethernet Port
- Configuration Port (1) 10/100 Ethernet Port
- Auxiliary Port (1) RJ-12, Alignment Tone Port

System

- Maximum Throughput 1.4+ Gbps
- Maximum Range 13+ km
- Packets per Second > 1 Million
- Encryption 128-Bit AES
- Forward Error Correction 164/205
- Cyclic Prefix 1/16 Fixed
- Uplink/Downlink Ratio 50% Fixed

Radio Frequency

- GPS GPS Clock Synchronization

Transceiver

- EIRP ~33 dBm
- Frequency Accuracy +/-2.5 ppm without GPS Synchronization, +/- 0.2 ppm with GPS Synchronization

Ubiquiti airFiber 24 GHz Point-to-Point Radio Single Unit

- Channel Bandwidth 100 MHz
- Operating Channels 24.1 GHz, 24.2 GHz
- Modulation 64QAM MIMO, 16QAM MIMO, QPSK MIMO, QPSK SISO

Integrated Split Antenna

- Gain 33 dBi
- Beamwidth 3.5°
- Front-to-Back Ratio 30 dB
- Polarity Dual-Slant Polarization
- Cross-Polarity Isolation > 28 dB

Price: £1,300.00
