

Item no.: AF-2X

AF-2X-EU - Carrier Backhaul Radio

396,65 EUR

Item no.: AF-2X
shipping weight: 1.10 kg
Manufacturer: Ubiquiti



Product Description

AF-2X - Carrier Backhaul Radio Overview continues to disrupt the wireless broadband market with revolutionary technology at breakthrough pricing by introducing the airFiber X, a modular airFiber radio system that will serve a wide range of frequencies and is designed to be compatible with a variety of antennas. Building upon the proven design of the airFiber system, the airFiber X allows you to customize airFiber backhaul links or upgrade existing Rocket Point to Point (PtP) links. The airFiber X is available in three frequency bands:

- 2.4 GHz, model AF-2X
- 3 GHz, model AF-3X
- 5 GHz, model AF-5X

Engineered for Performance, INVICTUS(TM) custom silicon and proprietary radio architecture are designed specifically for long-distance, outdoor wireless applications. Our INVICTUS core communications processing engine surpasses all of the limitations inherent to generic Wi-Fi chips to provide superior performance, long-range capability, DFS flexibility, and higher delivered throughput. The airFiber X features industry-leading spectral efficiency of up to 13.67 bps/Hz, line rate data packet processing of up to 525 Mbps of real data throughput, and innovative Xtreme Range Technology (xRT(TM)) for up to 200+ km in range. Backhaul - 2.4 GHz The 2.4 GHz frequency band is free to use, worldwide; and with its proprietary protocol, the AF2X increases both range and delivered throughput in this popular band. Optimal Operation in Unlicensed Bands Channel width flexibility* allows independent TX and RX channel frequency configurations anywhere within the radio band to avoid local interference, and the channel centers are selectable in 1 MHz increments.

- AF-2X: 3.5, 5, 7, 10, 14, 20, 28, 30, 40, 50, or 56 MHz

* Channel widths may vary according to country/region regulations.

- Model: AF-2X
- Frequency: 2.4 GHz
- Antenna compatibility: AF-2G24-S45
- Dimensions: 224 x 82 x 48 mm (8.82 x 3.23 x 1.89")
- Weight: 0.35 kg (0.77 lb)
- RF Connectors:
 - (2) RP-SMA weatherproof (CH0, CH1)
 - (1) SMA weatherproof (GPS)
- GPS Antenna: External, magnetic base
- 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: 17 W (at max. power/duty cycle)
- Supported voltage range: 19 - 29 V DC
- Mounting:
 - airFiber X mount (Rocket Mount compatible)
 - GPS pole mount (included)
- Certifications: CE, FCC, IC
- Operating temperature: -40°C to 55°C (-40°F to 131°F)

Networking Interface

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

System

- Processor: INVICTUS IC
- Maximum throughput: 525 Mbps
- Maximum range: 200+ km
- Encryption: 128-bit AES
- OS: airOS F
- Wireless modes: Master/Slave

Radio

- Frequency range: 2400 - 2500 MHz (dependent on regulatory region)
- Max. conducted TX power: 30 dBm (dependent on regulatory region)
- Frequency accuracy:
 - +/- 2.5 ppm without GPS Synchronization
 - +/- 0.2 ppm with GPS Synchronization
- 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

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability

