

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, known for revolutionary technology at an unbeatable price, now introduces the airFiber X, a modular airFiber radio system that serves a broad frequency spectrum and is compatible with a wide range of antennas. Building on the proven design of the airMAX Rocket(TM) system, the airFiber X enables the customisation of airFiber backhaul links or the enhancement of 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. Designed for high performance. The INVICTUS(TM) Custom Silicon silicon chip and proprietary radio architecture are specifically designed for outdoor wireless applications. The INVICTUS processing engine overcomes all limitations of generic Wi-Fi chips to deliver superior performance, long range, DFS flexibility and outstanding throughput. The airFiber X offers industry-leading spectral efficiency of up to 13.67 bps/Hz, up to 525 Mbps real data throughput and the innovative extreme range technology for a range of up to 200+ km. Backhaul - 2-4 GHz. The 2.4 GHz frequency band can be used free of charge worldwide, and thanks to the proprietary protocol, the AF-2X increases both range and throughput in this band. Optimum operation in unlicensed bands. The flexibility of the channel width* enables independent configuration of the channel frequency within the radio band to avoid local interference. The channel centres can be selected in 1 MHz steps. - AF-2X: 3.5, 5, 7, 10, 14, 20, 28, 30, 40, 50, or 56 MHz. Channel widths may vary according to national/regional regulations. Technical details- Model: AF-2X- Frequency: 2.4 GHz- Compatible antenna: 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) weatherproof RP-SMA (CH0, CH1)- (1) weatherproof SMA (GPS)- GPS antenna: External, magnetic base- Power supply: 24V, 1A PoE Gigabit adapter (included)- Power supply method: Passive Power over Ethernet- Pins 1, 2, 4, 5 (+) and pins 7, 8, 3, 6 (-)- Max. Power consumption: 17 W (at) max. power/work cycle- Supported voltage range: 19 - 29 V DC- Mounting: airFiber X mount (compatible with Rocket mount)- GPS mast mount (included)- Approvals: CE, FCC, IC- Operating temperature: -40°C to 55°C (-40°F to 131°F) Network 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- Operating system: airOS F- WLAN modes: Master/Slave Radio- Frequency range: 2400 - 2500 MHz (depending on local regulations)- Max. Transmission power: 30 dBm (depending on local regulations)- Frequency accuracy: +/- 2.5 ppm without GPS synchronisation- +/- 0.2 ppm with GPS synchronisation Channel bandwidth:- 3.5/5/7/10/14/20/28/30/40/50/56 MHz selectable- Programmable uplink and downlink cycles- Independently programmable transmit and receive frequencies

Specifications

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prices and availability

