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AirFiber 5, 1Gbps+ Backhaul, 5GHz

Artikelnummer: AF-5







€1.190,00

Incl. 21% BTW

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Superior Processing

Ubiquiti Networks introduces our proprietary INVICTUS core communications processing engine. The speed, power, and efficiency of this integrated circuit enhances the performance of the airFiber AF-5.

Efficient Use of 5 GHz Band

AirFiber AF-5 features 1 MHz center channel resolution with market-leading Power Envelope Tracking technology. The airFiber AF-5 accurately and continuously controls transmit power relative to the band edge. The power level automatically tracks to optimize performance near band edges, allowing you to choose the part of the band with the least interference.

Long-Range Links

Newly developed for the airFiber AF-5, the patent-pending xRT feature uses an innovative, adaptive multi-channel coding scheme to enhance radio transceiver performance, thereby maximizing your link budget and spectrum utilization - while still maintaining regulatory compliance. This results in links that can span distances from 10 m up to 100+* km.(*This distance is unrealistic due to European restrictions. We advise calculating the link distance.)

Quick and Easy Installation

The unique sliding-clamp design of the airFiber AF-5 allows mounting hardware to be pre-assembled prior to installation - no more dropped screws at the top of the tower. As an added convenience, the drop-in cradle mount design allows the installer to attach mounting hardware to the pole without having to support the weight of the airFiber radio during installation.

Radio Alignment Display

Newly designed for the airFiber AF-5, the Radio Alignment Display (RAD) makes aiming quicker and easier. The dual, calibrated signal strength indicators display the actual signal strength on the local and remote airFiber radios in real time. The comprehensive array of radio status indicators display the following:

GPS synchronization status

Master/slave mode

RF link status

RF overload warning

Current modulation mode

Link activity and speed for wired management and data ports

Specifications AF-5

Dimensions:

- Radio: 938.4 x 468.4 x 281.4 mm (36.94 x 18.44 x 11.08")

- Box: 1042 x 573 x 502 mm (41.02 x 22.56 x 19.76")

Weight:

- Radio (Mount Included): 16 kg (35.27 lb)

- Box:26.5 kg (58.42 lb)

Max. Power Consumption: 40W

Power Supply: 50V, 1.2A PoE GigE Adapter (Included)

Power Method : Passive Power over Ethernet

Supported Voltage Range: +42 to +58VDC, -48VDC

Automatic Transmit Power Control (ATPC): Yes

Certifications: CE, FCC, IC

Mounting: Pole Mount Kit (Included)

Wind Loading: 863 N @ 200 km/hr (194 lbf @ 125 mph)

Wind Survivability: 200 km/hr (125 mph)

Operating Temperature: -40 to 55 C (-40 to 131F)

LEDs: Data Port Link/Activity, Data Port Speed, Management Port Link/Activity, Management Port Speed, GPS Synchronization, Master/Slave, Link Status, Modulation Mode 0.25x to 4x, 6x, 8x, 10x (Unlabeled), Overload, Remote and Local Displays (Calibrated Signal Strength)

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

Management Port: (1) 10/100 Ethernet Port

Auxiliary Port: (1) RJ-12, Alignment Tone Port

Maximum Throughput: 1.2+ Gbps

Maximum Range: 100+ km ((*This distance is unrealistic due to European restrictions. We advise calculating the link distance.)

Packets per Second: 1+ Million

Encryption: 128-Bit AES

Uplink/Downlink Ratio: 50% Fixed

Radio Frame Synchronization: GPS

Dynamic Frequency Selection: CE, FCC/IC

MTU (Maximum Transmission Unit): Up to 9600

Package Contents

airFiber AF-5, I-Bracket, Upper Mount Bracket with Elevation Rod, Lower Mount Bracket, Pole Clamps (2), M10x150 Carriage Bolts (4), M10x100 Carriage Bolts, Serrated Flange Bolts (4), Stabilizer Brackets (2), Serrated Flange Nuts (6), Zip Ties (2), GigE PoE Adapter (50V, 1.2A), Power Cord, Quick Start Guide.

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Indien dit product boven de toegestane limieten gebruikt wordt, is dit niet langer vergunningsvrij en zelfs illegaal (max zendvermogen: 100 mW op 2,4GHz en 200 mW op 5GHz). Wij raden u aan de standaard configuratie v.w.b. de landeninstelling en/of vermogensinstelling van de apparatuur niet te wijzigen. Het gebruik van meer dan het wettelijke toegestane vermogen kan leiden tot verminderde bruikbaarheid van WIFI in uw onmiddellijke omgeving.