

Item no.: RD-5G31-AC

## RD-5G31-AC - RocketDish Carrier 2x2 PtP Bridge Dish Antenna

**266,56 EUR**

Item no.: RD-5G31-AC  
shipping weight: 13.70 kg  
Manufacturer: Ubiquiti



### Product Description

RocketDish RD-5G31-AC Carrier Class 2x2 PtP Bridge Dish Antenna

The RocketDish RD-5G31-AC is a Carrier Class 2x2 Bridge Dish Antenna that was designed to seamlessly integrate with RocketM radios (RocketM sold separately). Pair the RocketMs radio with the RocketDish antennas reach to create the end point of a high-performance, Point-to-Point (PtP) backhaul.

#### Superior Performance

The Research and Development team engineered the RocketDish RD-5G31-AC with high isolation and Front-to-Back (F/B) ratio. The main benefit is improved Signal-to-Noise Ratio (S/N or SNR). The improved F/B ratio and lower sidelobes reduce the interference from other transmitters in the area – potentially on the same tower. The improved S/N ratio allows a higher order modulation to be used, for example, 128QAM rather than 16QAM. This in turn increases the number of bits per second for a fixed bandwidth, which is also known as the data rate.

Because of its advanced engineering, the RocketDish RD-5G31-AC provides:

- Enhanced co-location
- Better performance
- Additional range

#### Utilize airMAX Technology

Unlike standard Wi-Fi protocol, s Time Division Multiple Access (TDMA) airMAX protocol allows each client to send and receive data using pre-designated time slots scheduled by an intelligent AP controller. This time slot method eliminates hidden node collisions and maximizes airtime efficiency. It provides many magnitudes of performance improvements in latency, throughput, and scalability compared to all other outdoor systems in its class.

- Intelligent QoS: Priority is given to voice/video for seamless streaming.
- Scalability: High capacity and scalability.
- Long Distance: Capable of highspeed, carrier-class links.

#### Innovative Mechanical Design

- Ruggedized mounting: The mounting bracket is designed to securely mount and maintain the position of the dish during harsh outdoor conditions.
- Reduced weight: The dish and mounting brackets are made of lightweight aluminum.
- Convenient installation The bubble level allows for easy alignment.

#### Weatherproof Design

- Radome and shroud: The included radome protects the inner components, while the metal shroud protects the cables and connectors from nature's harshest elements.
- Dish, mounting brackets, and fasteners: For superior corrosion resistance, the dish and mounting brackets are powercoated, and the fasteners are made of stainless steel.
- Dimensions: 748 x 748 x 349 mm (29.45 x 29.45 x 13.74 in)
- Weight: 7.6 kg (16.76 lb) (mount included)
- Frequency range: 5.1 - 5.8 GHz
- Gain: 31 dBi
- Max. VSWR: 1.4:1
- Wind survivability: 200 km/h (125 mph)
- Wind loading: 1,028 N (at) 200 km/h (231 lbf (at) 125 mph)
- Polarization: Dual-linear
- Cross-pol isolation: 35 dB min.
- ETSI specification: EN 302 326 DN2
- Mounting: Universal pole mount, RocketM bracket, and weatherproof RF jumpers included

## Specifications

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