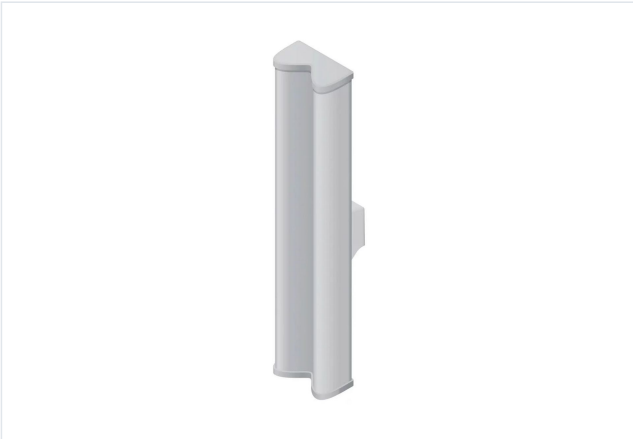


UBAM-2G16SEC90-RA

Ubiquiti AirMax MiMo 2.4GHz Sector High-Gain 16dBi Antenna

Product Overview

Ubiquiti AirMax MiMo 2.4GHz Sector High-Gain 16dBi, 90 deg with Rocket Accessories - SMA(F)RP; 2x2 MIMO; outdoor base station; Rocket M compatible; 3.9kg; 700x145x79mm; professional ISP network antenna



Specifications

About this product

The UBAM-2G16SEC90-RA Ubiquiti AirMax 2.4GHz 16dBi Sector Antenna is a high-performance carrier-class wireless solution designed for reliable point-to-multipoint network coverage. Buy now from our online store in South Africa for robust long-range connectivity, improved signal distribution, and professional-grade outdoor networking performance with seamless integration into Rocket M base stations.

Overview Summary

Ubiquiti AirMax 2.4GHz 16dBi 90 Degree Sector Antenna

The UBAM-2G16SEC90-RA is a dual-polarity 2x2 MIMO sector antenna operating in the 2.4 GHz band, engineered for scalable wireless networks. It delivers 16 dBi high-gain performance with a 90 degree beamwidth, making it ideal for base station deployments in high-density environments requiring stable multi-user connectivity.

Designed for outdoor deployment, this antenna integrates seamlessly with Rocket M radios to deliver carrier-grade performance, reduced interference, and optimized throughput for long-distance wireless links. Its rugged construction ensures reliability in harsh weather conditions while maintaining consistent signal quality.

This antenna is widely used in ISP deployments, surveillance backhaul systems, and enterprise wireless distribution networks where stability, coverage, and scalability are critical.

Performance tier: Professional Carrier Grade

Uses: Point to multipoint networks, ISP base stations, wireless CCTV links, rural internet distribution, enterprise wireless coverage

Overview

Next-generation technology achieves gain, cross-pol isolation, and beamshaping characteristics rivaling the highest quality

cellular carrier basestation antennas in the world. Instantly pair with Rocket M2 to create a powerful AirMax 2x2 MIMO PtMP BaseStation. Rocket M and AirMax BaseStation/Rocket Antennas have been designed to seamlessly work together. Includes all accessories for mounting Ubiquiti Rocket devices.

Description

The UBAM-2G16SEC90-RA Ubiquiti AirMax Sector Antenna is engineered for demanding wireless infrastructure applications requiring high-capacity coverage and stable multi-client connectivity. Operating on the 2.3 to 2.7 GHz frequency range, it provides a strong 16 dBi gain with a 90 degree sector pattern, allowing efficient distribution of wireless signals across wide service areas.

This antenna is optimized for use with Rocket M radios and supports 2x2 dual-linear polarization for improved throughput and reduced interference in congested RF environments. Its rugged design supports outdoor installations with strong wind resistance and long-term durability for ISP and enterprise deployments.

Ideal for point-to-multipoint base stations, it enables scalable network expansion while maintaining consistent performance across multiple connected clients.

Features

The UBAM-2G16SEC90-RA delivers advanced wireless performance for professional networking environments.

- 2.4 GHz frequency band optimized for long range wireless distribution
- 16 dBi high gain directional sector antenna for strong coverage
- 90 degree beamwidth for efficient multi-client connectivity
- 2x2 MIMO dual-linear polarization for improved throughput
- Seamless integration with Ubiquiti Rocket M base station radios
- Outdoor-rated construction for harsh environmental conditions
- Reduced interference design for stable signal performance
- Supports scalable point-to-multipoint network deployments

What's in the Box

- Ubiquiti AirMax 2.4GHz 16dBi Sector Antenna
- Universal pole mount kit
- Rocket M mounting bracket
- Weatherproof RF jumpers
- Installation accessories

Specifications

- Product type: 2.4 GHz sector antenna
- Gain: 16 dBi
- Frequency range: 2.3 - 2.7 GHz
- Beamwidth: 90 degrees
- MIMO: 2x2 dual-linear
- Polarization: Dual linear
- Cross-pol isolation: 28 dB minimum
- VSWR: 1.5:1
- Wind survivability: Up to 125 mph
- Dimensions: 700 x 145 x 79 mm
- Weight: 3.9 kg

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Product Specification Sheet

- Mounting: Pole mount with Rocket M bracket included
- Compatibility: Ubiquiti Rocket M radios

FAQ

What is the UBAM-2G16SEC90-RA used for?

This antenna is used for point-to-multipoint wireless networks, allowing a base station to connect multiple clients over a wide coverage area with stable signal performance.

Is the UBAM-2G16SEC90-RA suitable for outdoor use?

Yes, it is designed for outdoor environments with rugged construction and high wind resistance, making it suitable for long-term deployments.

Does this antenna work with Rocket M radios?

Yes, it is specifically designed to integrate seamlessly with Ubiquiti Rocket M base station radios for optimal performance.

What frequency does this antenna support?

It operates in the 2.3 to 2.7 GHz frequency range, commonly used for 2.4 GHz wireless networking applications.

How many clients can connect through this antenna?

Depending on network configuration, it can support large scale deployments with multiple clients in a point-to-multipoint setup.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx.co.za/UBAM-2G16SEC90-RA-Ubiquiti-AirMax-MiMo-2-4GHz-Sector-High-Gain-16dBi-Antenna-p-54970.php>

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