

*air***MAX**® YAGI Antenna

900 MHz 2x2 MIMO High-Gain Antenna

Model: AMY-9M16

Ultimate in RF Performance

Easily Integrates with Rocket® M900 (sold separately)

Incredible Range and Speed

Overview

The airMAX® 900 MHz Yagi Antenna is a high-gain array antenna designed to seamlessly integrate with the RocketM900 radio (sold separately). It features incredible range performance of up to 20+ km and speeds of 90+ Mbps.

On the right is one example of how the airMAX Yagi Antenna can be deployed for directional coverage in Point-to-Point (PtP) bridging and a Point-to-MultiPoint (PtMP) network.

2x2 Dual-Polarity Design

The airMAX Yagi Antenna is a high-gain array antenna that delivers high performance in the 900 MHz radio band.

Long-Range Deployments

The airMAX Yagi Antenna performs at ultra-long ranges in Non-Line-of-Sight (NLoS) applications.

Durable Construction

The airMAX Yagi Antenna features a robust mechanical design for outdoor application use.

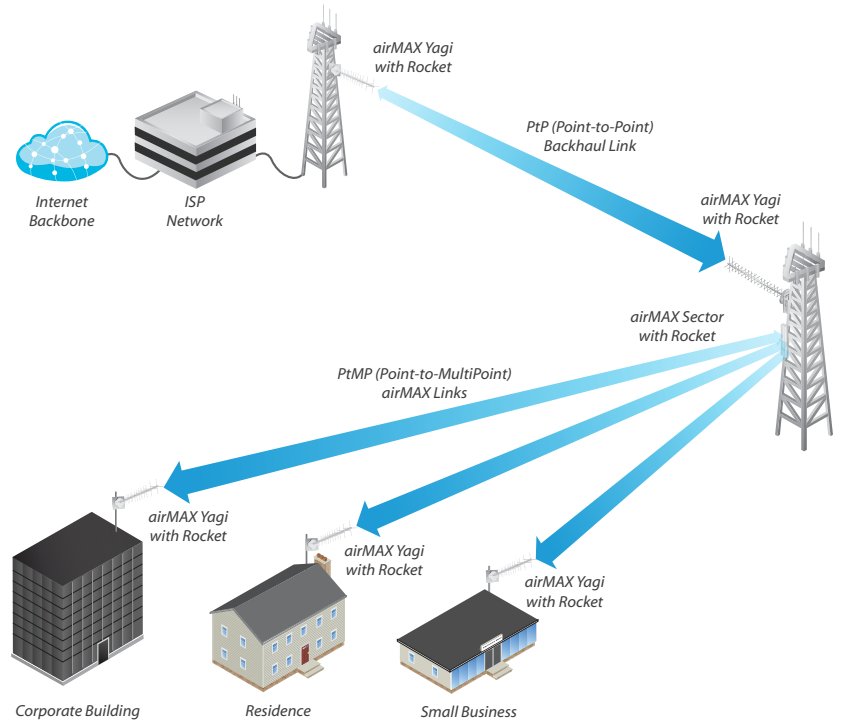
Plug and Play Integration

The airMAX Yagi Antenna has a built-in Rocket mount, so installation requires no special tools. Snap the Rocket securely into place and mount the antenna; you then have the optimal combination of RocketM900 radio and airMAX Yagi Antenna for your application.

Pair the RocketM900 radio with the airMAX Yagi Antenna to create a powerful basestation. This combination gives network architects unparalleled flexibility and convenience.

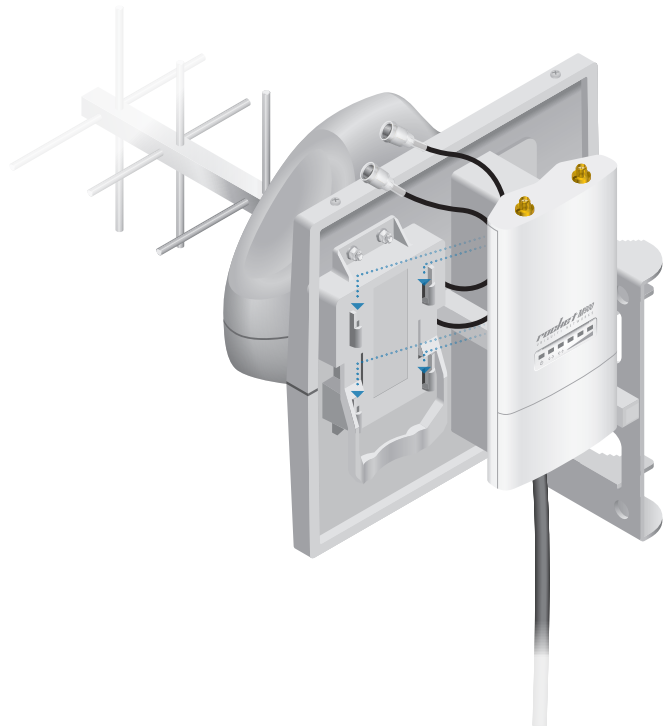
Application Example

PtP and PtMP Links



The combination of the airMAX Yagi Antenna and a RocketM900 radio provides directional coverage that utilizes airMAX technology to provide carrier-class performance and power.

Rocket Radio with Yagi Antenna



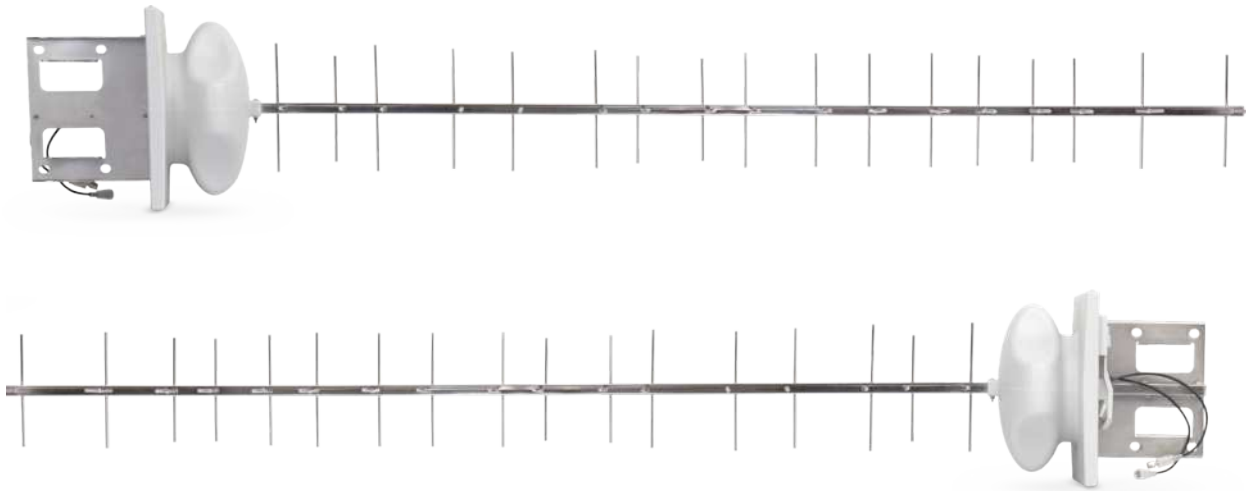
The RocketM900 snaps into the built-in Rocket mount with ease.

Model Details

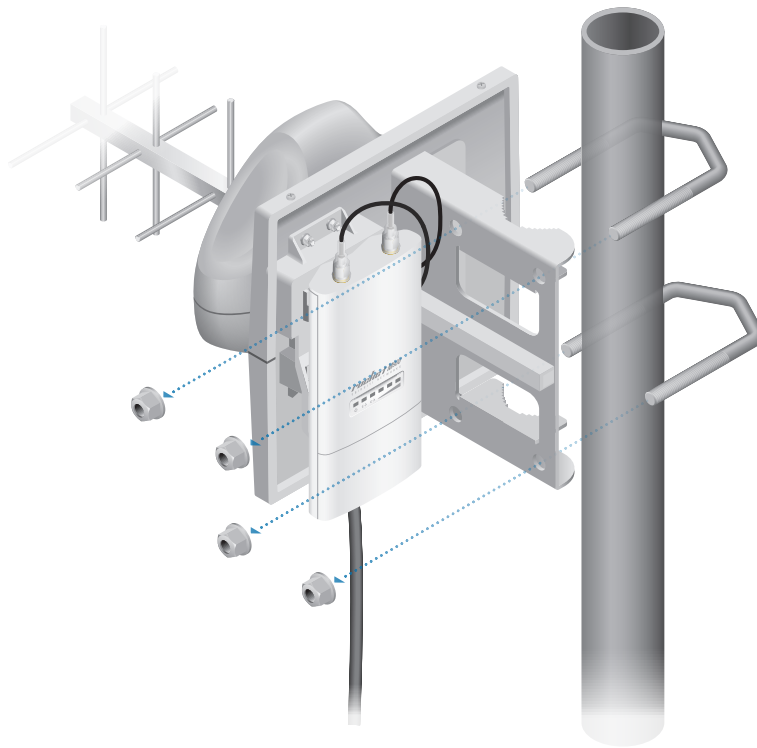
The airMAX Yagi Antenna, model AMY-9M16, is a high-gain antenna ideal for directional coverage in PtP or PtMP applications.

Available in a two-pack, it offers a 2x2 dual-polarity design so you get optimal performance from the RocketM900 radio: up to 90+ Mbps throughput in either Line-of-Sight (LoS) or Non-Line-of-Sight (NLoS) applications

- **Frequency range** The airMAX Yagi Antenna uses the 902 - 928 MHz radio band.
- **Antenna gain** The gain is 16 dBi in both polarizations.
- **Compatibility** The airMAX Yagi Antenna integrates with the RocketM900 radio.
- **Pole-Mounting** Two U-bolts securely mount the airMAX Yagi Antenna on a pole.



The airMAX Yagi Antenna is available as a two-pack.



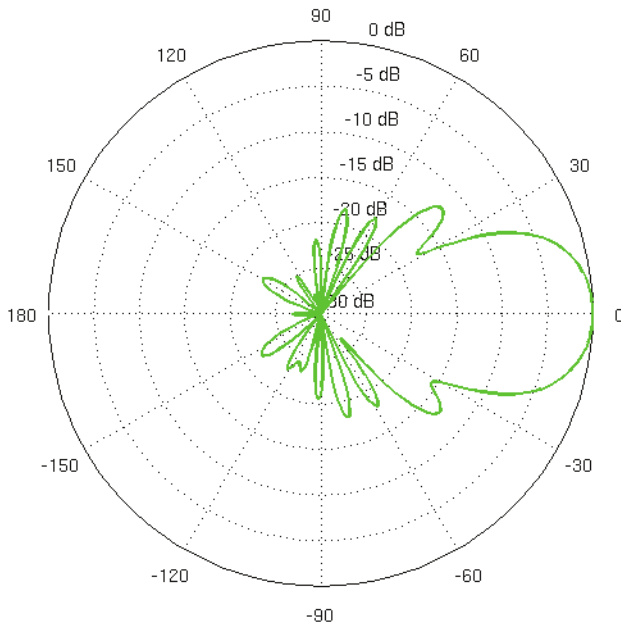
Use two U-bolts to mount the airMAX Yagi Antenna on a pole.

Specifications

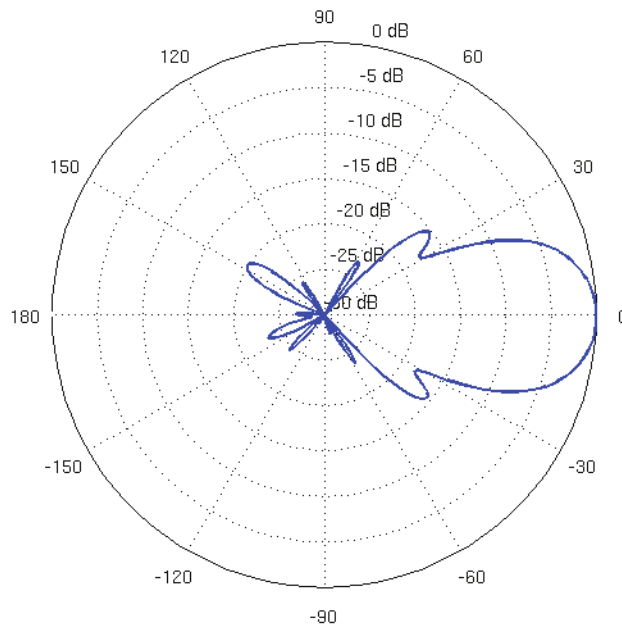
AMY-9M16	
Dimensions	1365 x 215 x 218 mm (53.74 x 8.47 x 8.58")
Weight (Mount Included)	2.5 kg (5.51 lb)
Frequency Range	902 - 928 MHz
Gain	16 dBi, Both Polarizations
HPOL Beamwidth	29 to 34°
VPOL Beamwidth	29 to 34°
F/B Ratio	20 dB
Max. VSWR	< 1.5:1 Over Band
Wind Survivability	200 km/h (125 mph)
Wind Loading	102.3 N @ 200 km/h (23 lbf @ 125 mph)
Polarization	Dual-Linear
Cross-Polarization Isolation	20 dB
ETSI Specification	EN 302 326 DN2
Mounting	M8 U-Bolt Pole Mounting Kit, Rocket Bracket, and Weatherproof RF Connectors Included



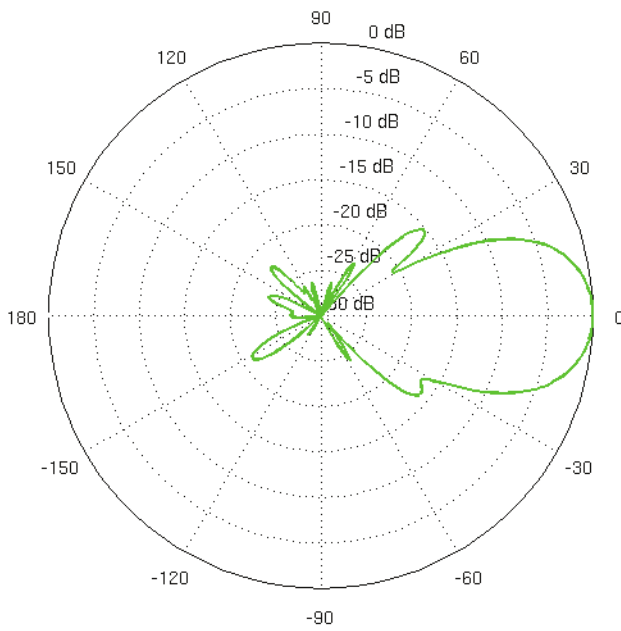
Vertical Azimuth



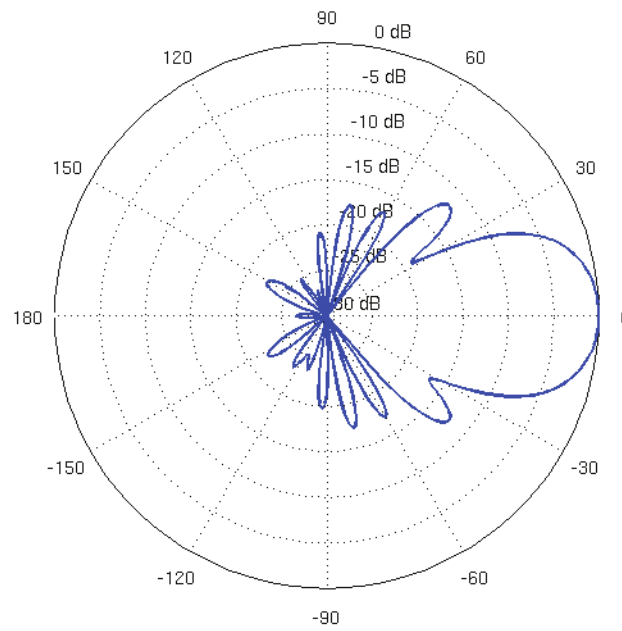
Vertical Elevation



Horizontal Azimuth



Horizontal Elevation



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