airMAX™ TITANIUM SECTOR | Datasheet

airMAX™ TITANIUM SECTOR

Advanced RF Isolation Variable Beamwidth Antenna

Model: AM-V5G-Ti

Carrier-Class 2x2 MIMO PtMP BaseStation

Adjustable Beamwidth Configuration

Reduced Co-Location Interference

UBIQUITI NETWORKS

airMAX™ TITANIUM SECTOR

Advanced Carrier-Class PtMP Basestation Antenna

Introducing the airMAX Titanium Sector, which continues the evolution of Ubiquiti's best-in-class sector antennas. Advanced RF isolation and variable beamwidth configuration put the Titanium Sector at the forefront of sector antenna technology.

Reduced Co-Location Interference

Drawing on Ubiquiti's depth of electrical and mechnical engineering expertise, Ubiquiti has developed the airMAX Titanium Sector to be highly resistant to noise interference in co-location deployments.

Adjustable Beamwidth Configuration

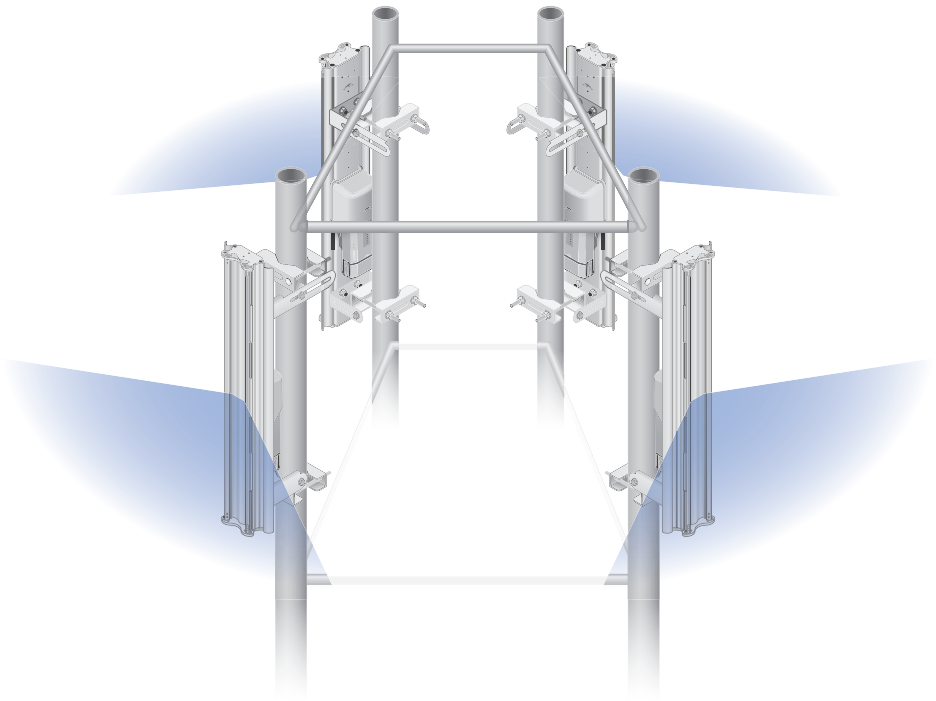
Having adjustable beamwidth options enhances scalability and streamlines inventory. The airMAX Titanium Sector may be custom configured for any deployment requiring a 60˚, 90˚, or 120˚ sector.

Antenna gain increases respectively with each decrease in beamwidth. Gain is 19 dBi at 120˚, 20 dBi at 90˚, and 21 dBi at 60˚.

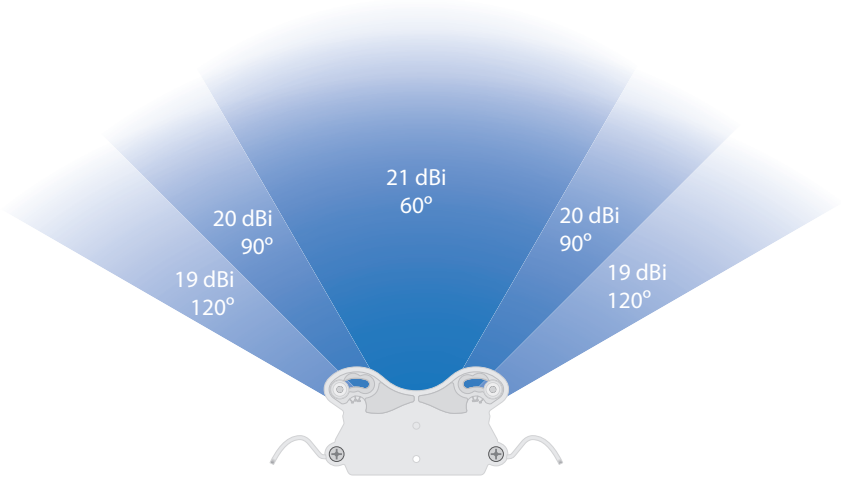
Increased Performance

The airMAX Titanium Sector was specifically engineered for optimal performance when paired with a Rocket™M Titanium.

- 20% increase in performance with PtMP networks
- Up to 90% performance improvement in a co-location environment
- Increased durability in harsh weather



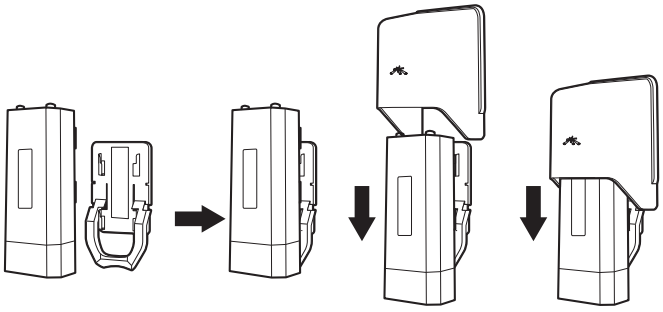
Ideal for Co-Location Deployments



Adjustable Beamwidth

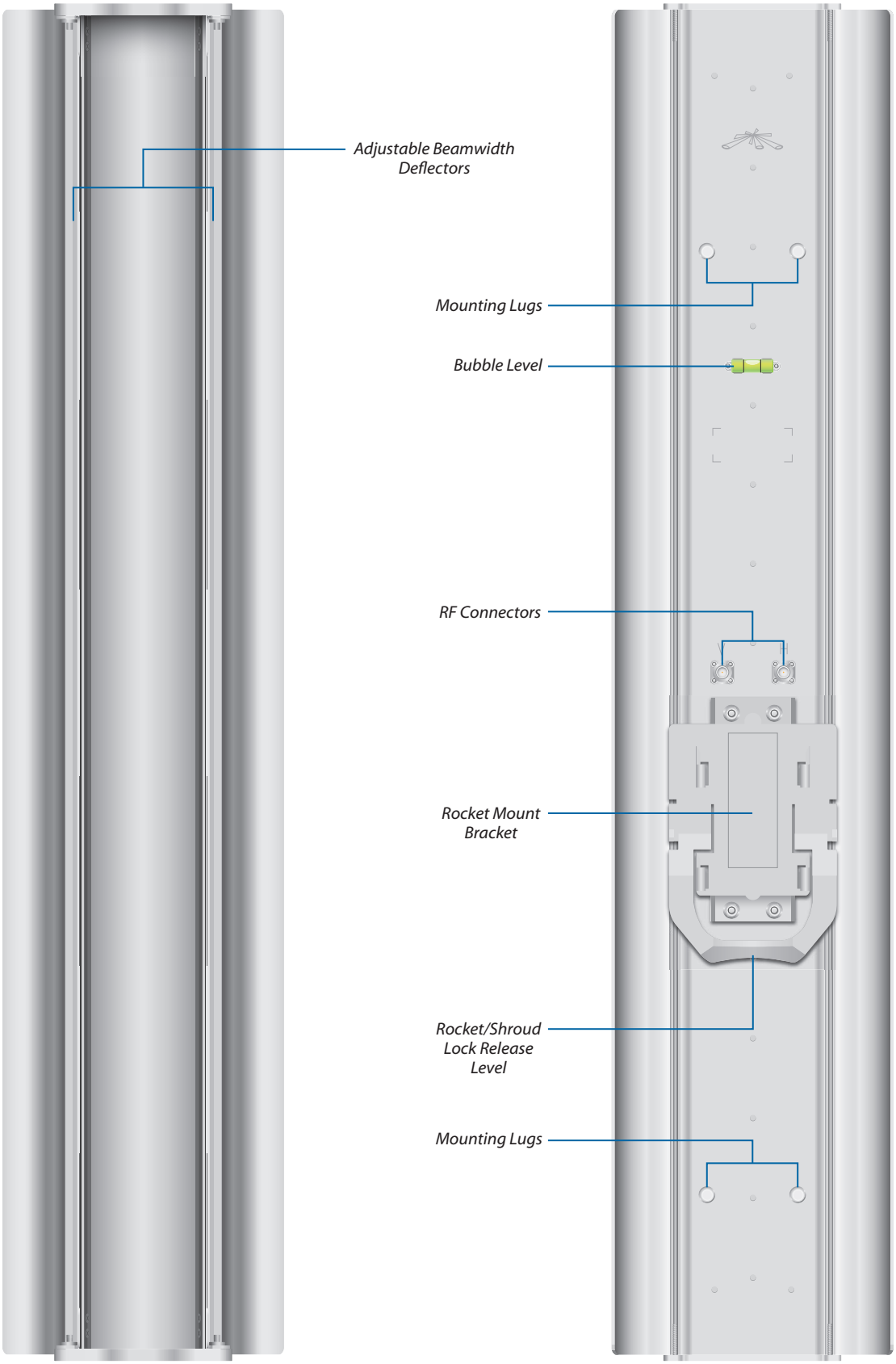
Easily Mount and Protect Your Rocket

The Titanium Sector has an integrated Rocket mount that allows you to mount the Rocket without the use of any tools. The custom-designed Protective Shroud helps to shield your Rocket from the elements.



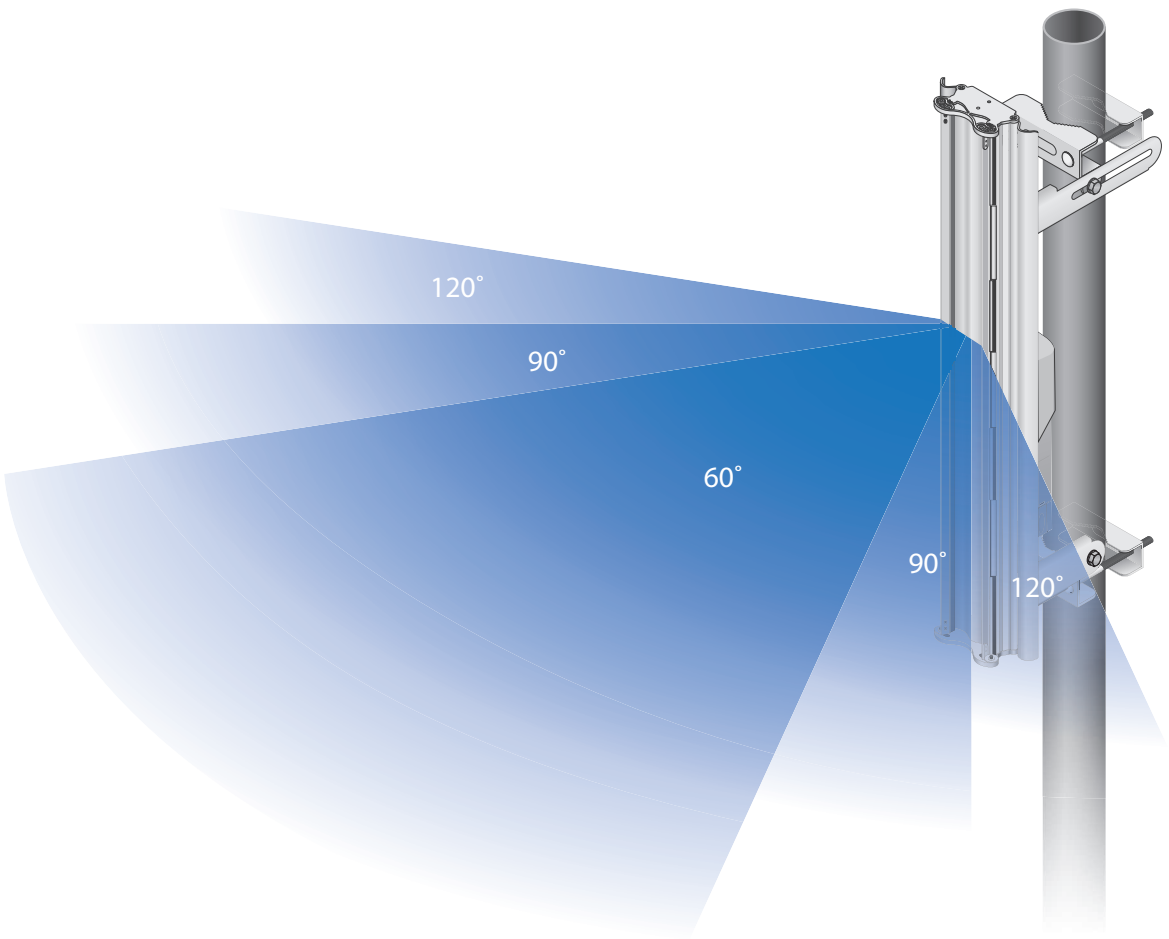
Overview

Model: AM-V5G-Ti



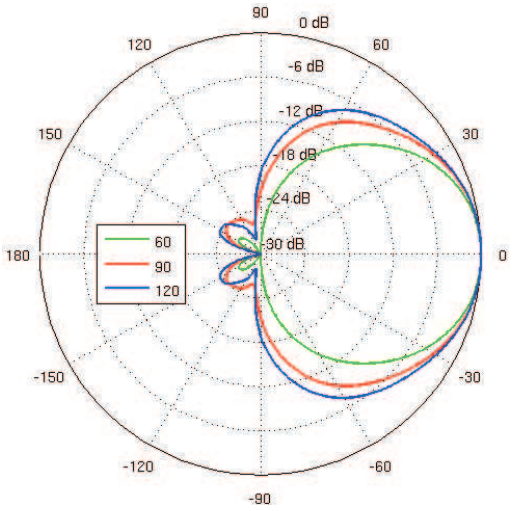
Specifications

Physical / Electrical / Environmental	
Dimensions	721 x 149.1 x 75.7 mm
Weight	3.72 kg (with Brackets)
Frequency Range	5.45 - 5.85 GHz
Beamwidth Angles	60˚/ 90˚/ 120˚
Gain (Beamwidth Dependent)	21 dBi @ 60˚ 20 dBi @ 90˚ 19 dBi @ 120˚
Electrical Downtilt	2˚
Polarization	Dual Linear
Cross-Pol Isolation	20 dB Min.
F/B Ratio	30 dB
Max. VSWR	1.5:1
RF Connectors	2 SMA Connectors (Weatherproof)
Compatible Radios	RocketM5 RocketM5 GPS RocketM5 Titanium
Mounting	Pole Mount (Kit Included)
ETSI Specification	EN 302 326 DN2
Certifications	CE, FCC, IC
Wind Survivability	160 mph
Wind Loading	37 lbs @ 120 mph

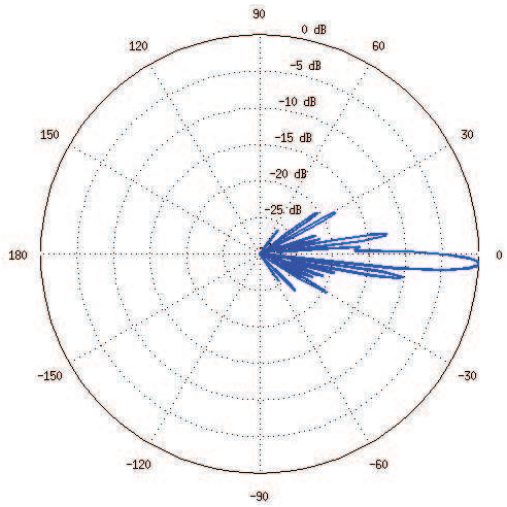


Polar Plots

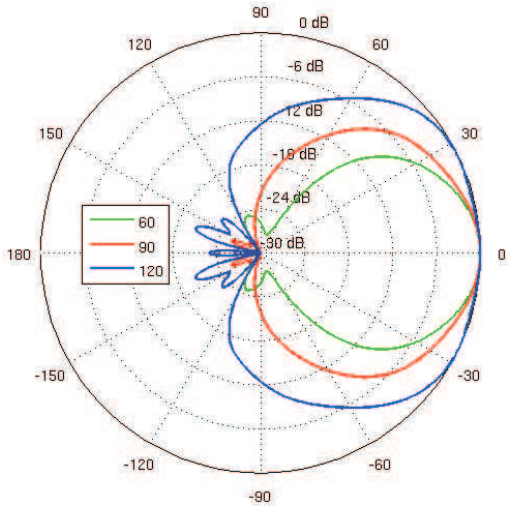
Vertical Azimuth



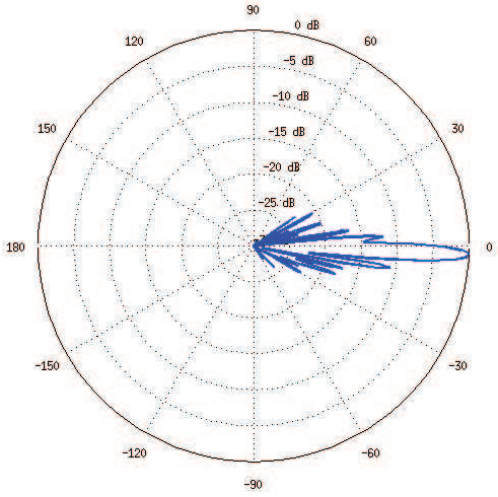
Vertical Elevation



Horizontal Azimuth



Horizontal Elevation



Return Loss