*air*MAX™
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

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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.
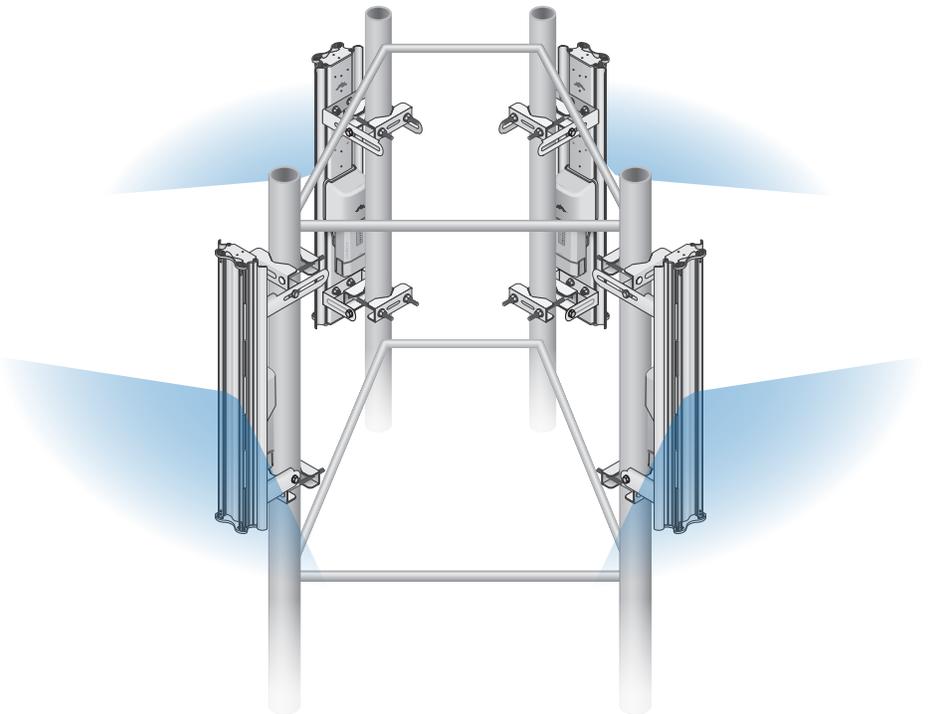
Adjustable Beamwidth Configuration

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
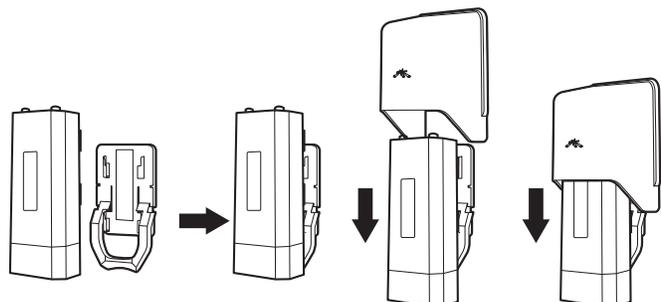
• Increased durability in harsh weather

Ideal for Co-Location Deployments

21 dBi
60°

20 dBi
90°

20 dBi
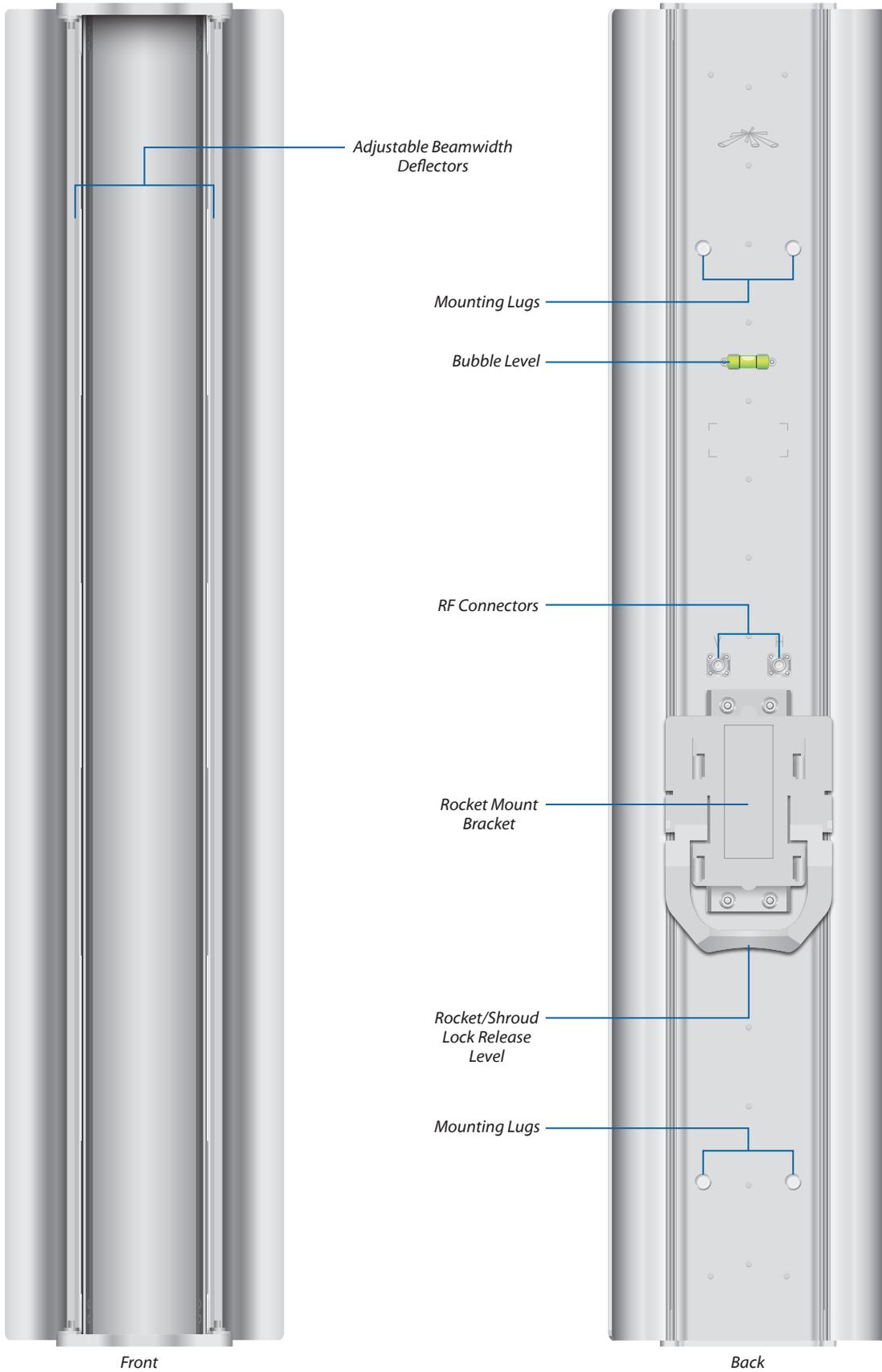90°

19 dBi
120°

19 dBi
120°
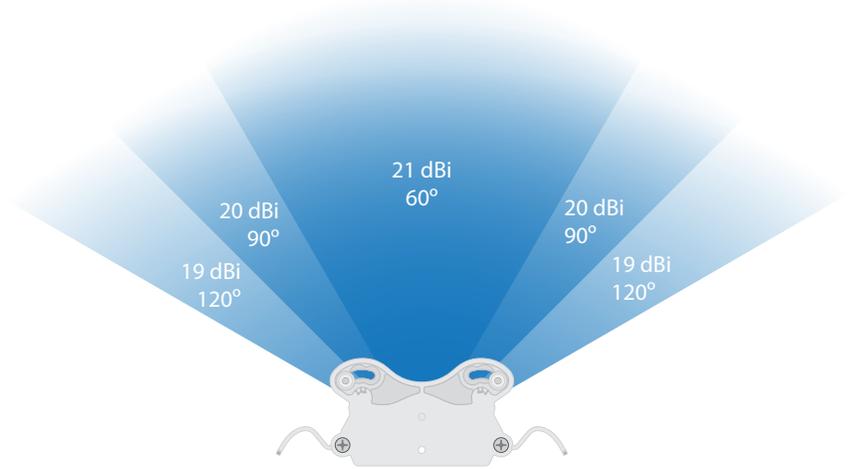
Adjustable Beamwidth

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.

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Overview

Model: AM-V5G-Ti

Adjustable Beamwidth
Deflectors

Mounting Lugs

Bubble Level

RF Connectors

Rocket Mount
Bracket

Rocket/Shroud
Lock Release
Level

Mounting Lugs

Front

Back

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Specifications

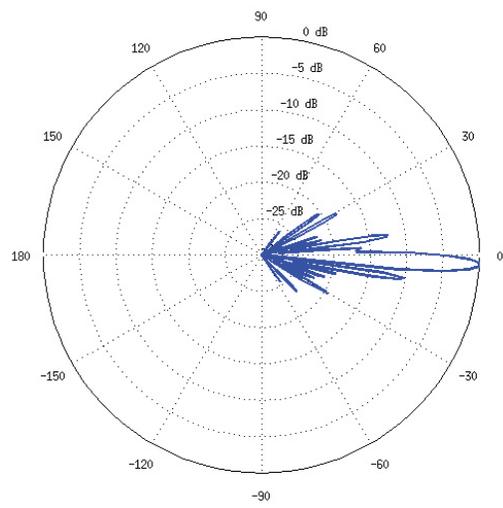| Physical / Electrical / Environmental	
Dimensions	721 x 149.1 x 75.7 mm
Weight	3.72 kg (with Brackets)
Frequency Range	5.45 - 5.85 GHz
Beamwidth Angles	60˚/ 90˚/ 120˚
Gain (Beamwidth Dependent)	21 dBi @ 60˚ 20 dBi @ 90˚ 19 dBi @ 120˚
Electrical Downtilt	2˚
Polarization	Dual Linear
Cross-Pol Isolation	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

120˚

90˚

60˚

90˚

120˚

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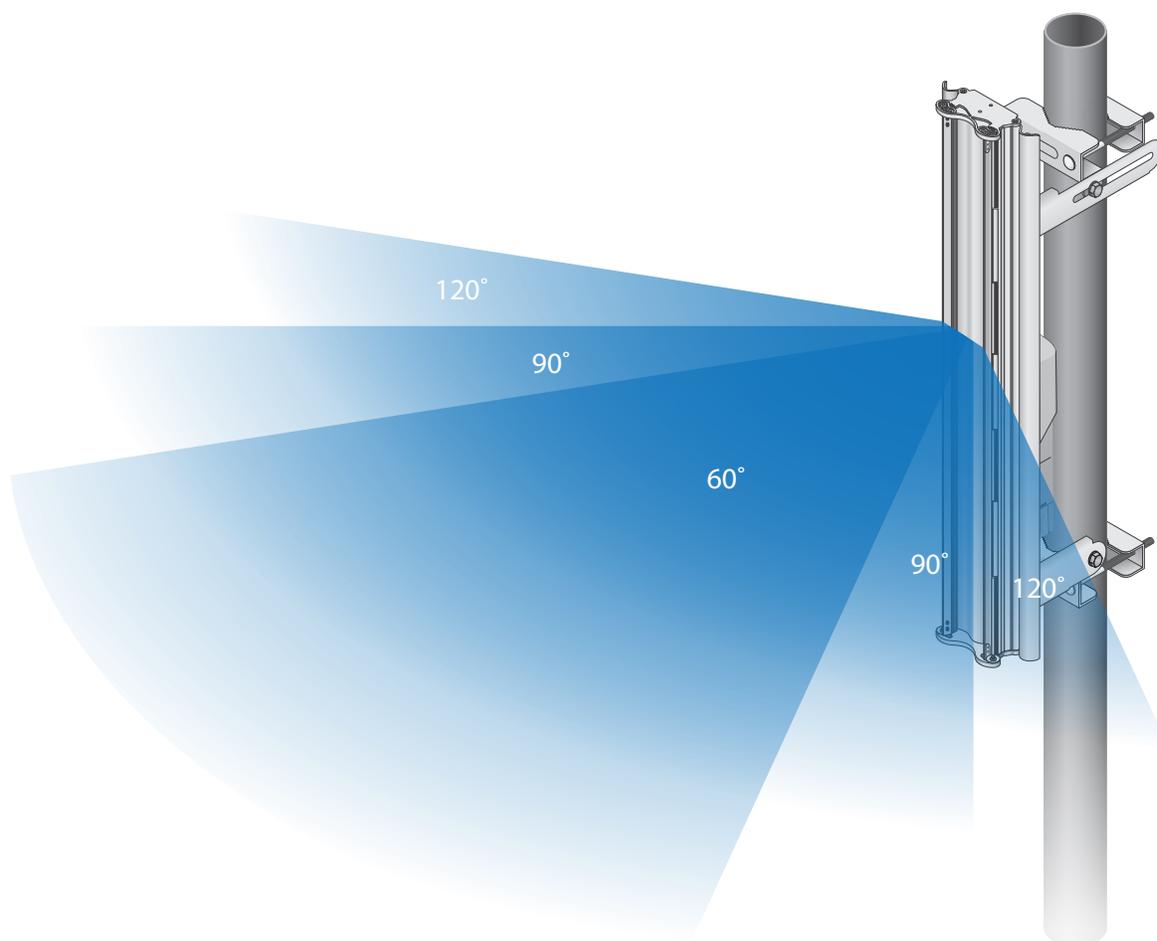
Polar Plots

Vertical Azimuth

60	
90	
120	
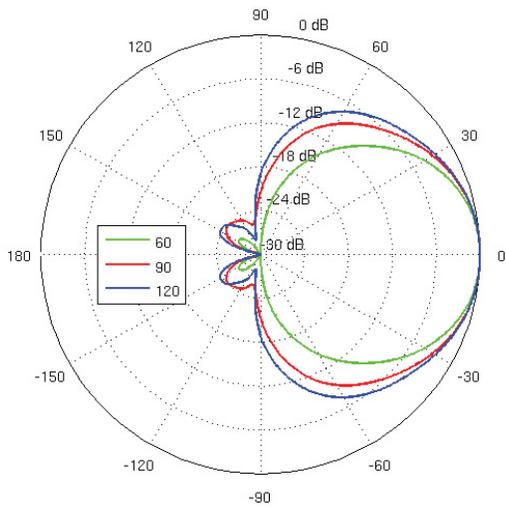
Vertical Elevation

Horizontal Azimuth

60	
90	
120	
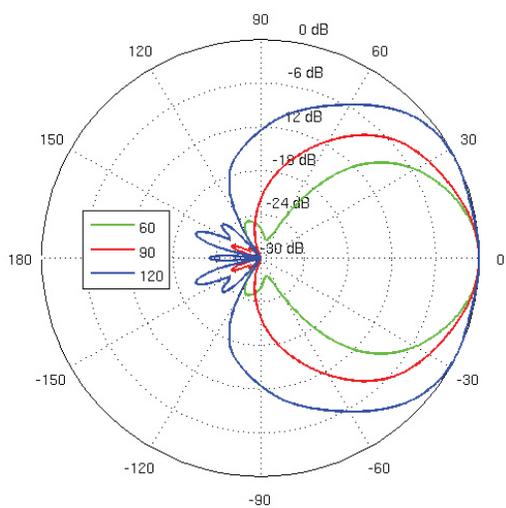
Horizontal Elevation

Return Loss

V-pol	
H-pol	

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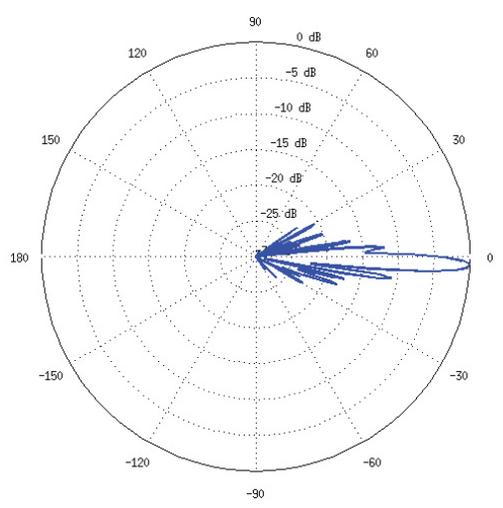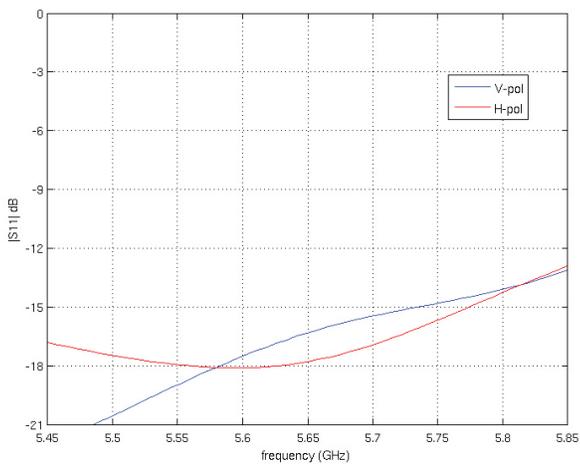
TOUGHCable™
OUTDOOR CARRIER CLASS SHIELDED

Protect your networks from the most brutal environments with Ubiquiti's industrial-grade shielded Ethernet cable, TOUGHCable.

Increase Performance
Dramatically improve your Ethernet link states, speeds, and overall performance with Ubiquiti TOUGHCables.

Extreme Weatherproof
Designed for outdoor use, TOUGHCables have been built to perform even in the harshest weather and environments.

ESD Damage Protection
Protect your networks from devastating electrostatic discharge (ESD) attacks.

Extended Cable Support
TOUGHCables have been developed to increase power handling performance for extended cable run lengths.

Bulletproof your networks

TOUGHCable is currently available in two versions: PRO Shielding Protection and CARRIER Shielding Protection.

TOUGHCable PRO is a Category 5e, outdoor, carrier-class shielded cable with an integrated ESD drain wire.

TOUGHCable CARRIER is a Category 5e, outdoor, carrier-class shielded cable that features an integrated ESD drain wire, anti-crosstalk divider, and secondary shielding. It is rated to provide optimal performance on Gigabit Ethernet networks.

Additional Information:

• 24 AWG copper conductor pairs
• 26 AWG integrated ESD drain wire to prevent ESD attacks and damage
• PE outdoor-rated, weatherproof jacket
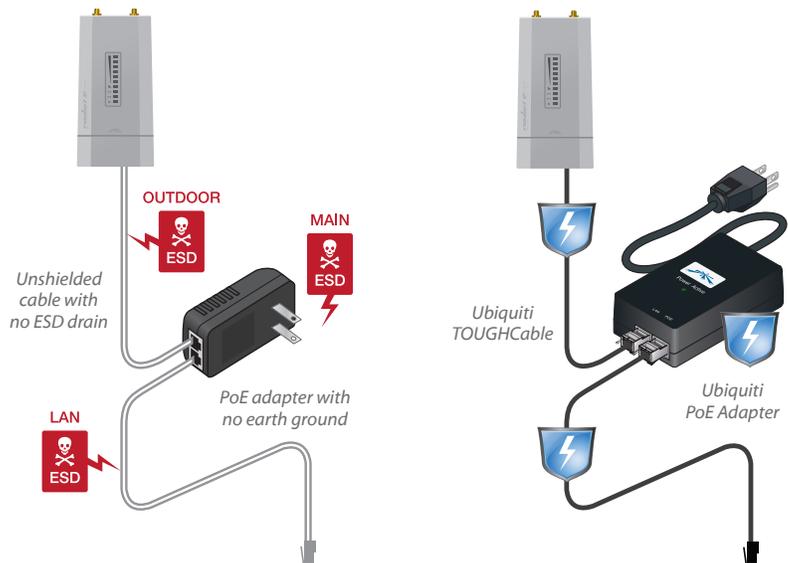• Multi-layered shielding
• Available in lengths of 1000 ft (304.8 m)

TOUGHCable Connectors

Specifically designed for use with Ubiquiti TOUGHCables and available in 100-pc. bags, TOUGHCable Connectors protect against ESD attacks and Ethernet hardware damage while allowing rapid field deployment without soldering.

ESD attacks are the leading cause for device failures. The diagram below illustrates the areas vulnerable to ESD attacks in a network.

By using a grounded Ubiquiti Power over Ethernet (PoE) Adapter along with Ubiquiti TOUGHCable and TOUGHCable Connectors, you can effectively protect against ESD attacks.

Unshielded cable with no ESD drain

OUTDOOR
ESD

MAIN
ESD

LAN
ESD

PoE adapter with no earth ground

Ubiquiti TOUGHCable

Ubiquiti PoE Adapter

TERMS OF USE: Ubiquiti radio devices must be professionally installed. Shielded Ethernet cable and earth grounding must be used as conditions of product warranty. TOUGHCable is designed for outdoor installations. It is the installer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) requirements.

For further information, please visit www.ubnt.com.

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