

GUARDIAN



TQ-OMNI-UHF-1

UHF Indoor Omni Antenna

FEATURES

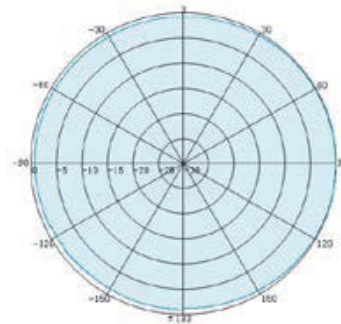
- UHF Band (450-512 MHz)
- Low VSWR
- Easy Installation in Projects
- Corrosion Resistance, Anti-aging

Technical Specifications

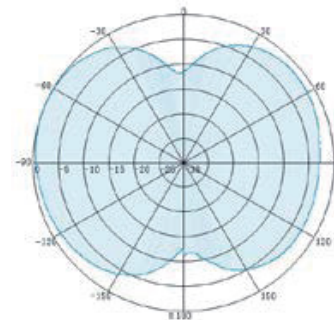
Electrical Specifications	
Frequency Range	450-512 MHz
Gain	1.0 dBi
VSWR	≤2.5:1
Polarization	Vertical
Horizontal Beam Width	360°
Vertical beam width	108°
Input Impedance	50 Ω
Max. Input Power	50 W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Dimensions	280x280x45 mm/ 11.0x11.0x1.8 inch
Weight	1.8 lb
Radome Material	ABS(UV Stabilized)
Operating Temperature	-40°C to +65°C
Mounting	Ceiling Mount



Antenna Pattern



H-Plane



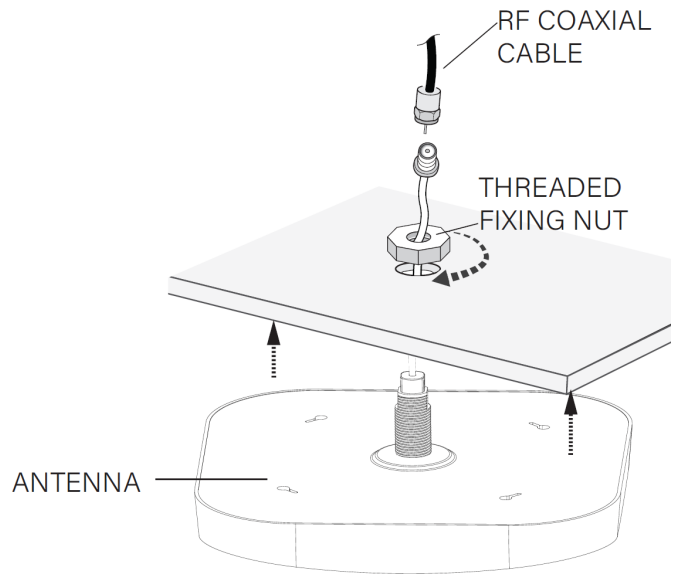
E-Plane

Ordering Information

Model	Description	Stock No.
TQ-OMNI-UHF-1	Wideband Indoor Omni Ceiling-Mount Antenna, Low Profile, 50 ohm, 3 dBi, 450-512 MHz	3996154

Mechanical Drawing

1. Drill a 20 mm diameter hole in the ceiling. The size should be large enough to allow the antenna's plastic cable base to pass through.
2. Place antenna cable through hole.
3. From crawl space, screw the fixing nut onto antenna and fasten around the threaded plastic cable base.
4. Connect female antenna connector with RF coaxial cable that leads to the booster port marked **INSIDE**.



Installation (Not Crawl Space Accessible)

1. Drill a 20 mm diameter hole in the ceiling. The size should be large enough to allow the antenna's plastic cable base to pass through.
2. Use metal mounting plate to align, mark and drill 3 holes into ceiling surface and insert provided anchors.
3. Secure metal mounting plate to ceiling by inserting provided screws through mounting plate (with interlocking pegs facing down) and into ceiling anchors.
4. Push antenna to bracket surface allowing cable to pass through ceiling. Align keyhole mounts on the antenna with down-facing pegs and twist into place.
5. Connect female antenna connector with RF coaxial cable that leads to your booster port marked **INSIDE**.

