



# Guardian TQ-222W Indoor Antenna



## FEATURES

- N-Female connector (50 Ω)
- 3 dBi Max Gain
- 2G, 3G, & 4G (698/960 – 1700/2700 MHz)
- Includes mounting hardware
- Connects to booster with TQ-400 cable (sold separately)

Designed to blend seamlessly into any environment, the TowerIQ 222W Antenna™ is a dome ceiling-mount antenna for in-building Public Safety Radio and cell phone signal boosters.

The wide band indoor antenna transmits and receives signal in a 360 degree pattern and is designed to cover 2G/3G/4G and WLAN systems for Cellular, PCS, AWS and LTE frequencies.

## Technical Specifications

Frequency	698-960 / 1700 -2700 MHz
Input Impedance	50 ohm
Antenna Gain	3 dBi
VSWR	≤2
Power Rating	10 W
Polarization Type	Vertical
Radiation	Omni-directional
Maximum Power	50 Watt
Connector Type	N-Female
Dimension	3.5" Height 7.25" Diameter
Color	White
Mount	Ceiling
Beamwidth	H:360° E:80° / H:360° E:80°/H:360° E:45°
Ground Plane	Built-in

## Install Guidelines

In addition to the antenna, mounting options are included for installations with or without a crawl space.

Be sure to deploy the antenna in an area central to your desired indoor signal coverage where there are minimal obstacles. Ultimately, the in-building range of this antenna depends on three factors:"

1. Physical obstructions
2. Power generated by booster
3. Signal level received by the outdoor antenna

## Ordering Information

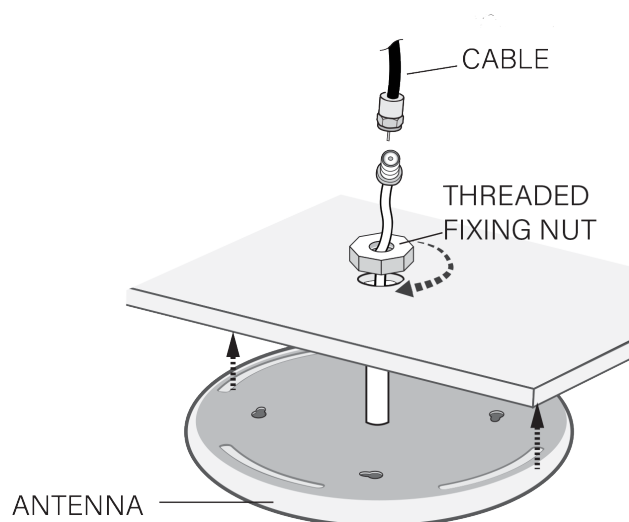
Model	Description	Stock No.
TQ-222W	TQ-222W WIDEBAND INDOOR CEILING-MOUNT DOME ANTENNA (2G, 3G, 4G 698 - 2700MHz)	3996045



**TOWERIQ™**  
SIGNAL WHERE IT MATTERS

### Installation (Crawl Space Accessible)

1. Drill a 35 mm diameter hole in the ceiling. The size should be large enough to allow the antenna's plastic cable base to pass through. The ceiling thickness should be no more than 20 mm.
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 TQ-400 cable that leads to the booster port marked INSIDE.



### Installation (Not Crawl Space Accessible)

1. Drill a 35 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 supplied with the antenna.
3. Secure metal mountings plate to ceiling by inserting provided screws through mounting plate and into ceiling anchors.
4. Connect female antenna connector with TQ-400 cable that leads to your booster port marked INSIDE.