TOWER IQ™
SIGNAL WHERE IT MATTERS

Guardian TQ-535W Indoor Omni Antenna

FEATURES

- Wide Frequency Band (698 – 2700 MHz)
- 2G/3G/4G/LTE Coverage
- Low VSWR & High Gain
- Easy Installation in projects
- Corrosion Resistance, Anti-aging
- Widely used for In-buiding DAS

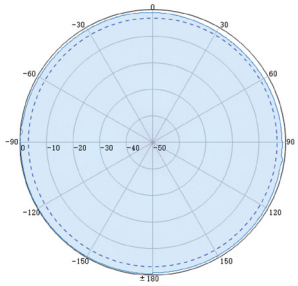
The TQ-535W indoor omni antenna is an omni-directional interior antenna that can send signals in a 360° radius. The range of the antenna is dependent on three factors: 1) physical obstructions, 2) power generated by booster/ amplifier, and 3) reception from outside signal received and distributed by outside antenna.

Besides the antenna itself, parts include equipment for mounting on the ceiling.

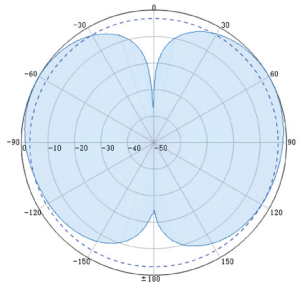
Technical Specifications

Electrical Specifications		
Frequency Range(MHz)	698-960	1710-2700
Gain(dBi)	3.5	6.0
VSWR	≤2.0	≤1.8
Polarization	Vertical	
PIM, 3rd Order, 2x2w(dBc)	≥150	
Horizontal Beam width	360°	
Vertical beam width	80°	29°
Input Impedance	50 Ω	
Max. Input Power	50 W	
Lightning Protection	DC Ground	
Mechanical Specifications		
Connector	N Female	
Dimensions(mm)	280x280x45	
Weight(kg)	0.8	
Radome Material	ABS(UV Stabilized)	
Operating Temperature	-40°C to +65°C	
Mounting	Ceiling Mount	

Antenna Pattern



H-Plane



E-Plane

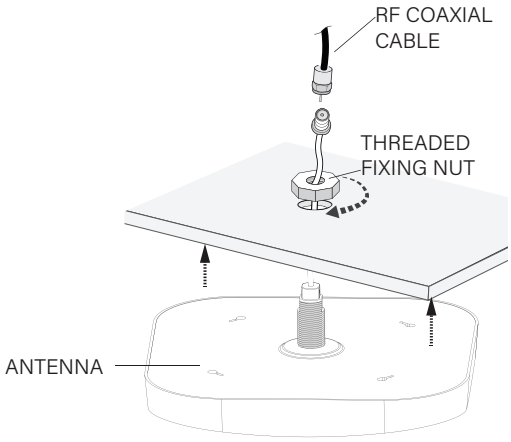
Ordering Information

Model	Description	Stock No.
TQ-535W	TQ-535W is an omni-directional interior 50 Ohm antenna	3996140

TOWER IQ™
SIGNAL WHERE IT MATTERS

Installation (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. 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 mountings 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 th 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.