



# Omnidirectional Ring Array Antenna



- Model: FTQ-01HZ09A
- Name: Omnidirectional Ring Array Antenna
- Freq.Range: 80 to 173 MHz
- Communications system: VHF/UHF, AIS, Wireless communication, ACARS
- Application scenario:
  - Long-distance communication,
  - Wireless data and image transmission,
  - Outdoor signal omnidirectional coverage

Tip: Pictures are for reference only.  
Please refer to physical objects.

Electrical Specifications	
Freq.Range-MHz	80 to 173
Bandwidth-MHz	8
Polarization	Vertical
Gain-dBi	Omnidirectional: 9 / Directional: 12
Horizontal Beamwidth-°	360
Vertical Beamwidth-°	13
Impedance-Ω	50
VSWR	≤ 1.5
Max.Power-W	500

Mechanical Specifications	
Connector	SL16 female or Customized
Connector Position	Cable outgoing
Cable Length-CM	40CM or Customized
Length-M	About 6.7
Weight-KG	About 11
Backbone material	Aluminium alloy
Backbone color	Silver gray
Operational Temperature-°C	-40 to 60
Storage Temperature-°C	-55 to 85
Relative Humidity-%	5 to 95
Rated Wind Velocity-M/S	60
Mounting way	Mast
Mast Diameter-MM	Φ50 to 65

Note: in order to facilitate packaging and transportation, the main antenna pole is divided into upper and lower sections, and a special joint is used to ensure a solid and reliable connection between the two sections.



## Installation Demonstrations

