

2 Teams LoRa 868MHz 12dBi Helium HNT Detachable Fiberglass Omni-Direction Antenna

Part No:AC-Q868F12-20

1. Introduction

LoRa antenna for metering, industrial, and environmental monitoring operates in the 868 MHz ISM band. The omnidirectional antenna radiates uniformly in the azimuth.

This design characteristic provides the best performance, giving optimized coverage and therefore longer range in the horizontal plane over 360 degrees.

The UV resistant fiberglass housing enables the antenna to be utilized in all kinds of harsh environments, making it more robust and safer than traditional whip antennas. It can be connected directly to the access point or telemetry unit or can be mounted on wall or device surface via the N-type connector.

12dBi and detachable design make it perfect to beat other similar antennas and help customers maximum program savings in transportation costs



2. Specification

Electrical

Frequency Range	865-868MHz
Band width	±3MHz
Gain	12dBi
V.S.W.R	≤1.5
Radiation	Omni-Direction
Horizontal Beam width	360°
Vertical Beam width	20°
Polarization	Vertical
Lightning Protection	DC Grounded
Maximum Input Power	100W
Impedance	50Ω
Connector	N Female
Antenna Radome Material	Fiberglass
Mounting way	Pole Mount
Diameter of Installation Pole	Ø30~Ø50mm

Mechanical

Dimensions	Φ20x2300mm
Weight	1KG
Operating Temperature	-40℃ to+80℃
Rated Wind Velocity	60m/s
RoHS Compliant	YES