

LoRa External Antennas



Molex LoRa External Antennas are flexible whip antennas operating on LoRa frequency bands and offering high performance and 360° coverage

Features and Advantages



Molex LoRa External Antenna

High-band antenna with 2.5dBi peak gain and 75% efficiency

Provides strong and stable wireless connection

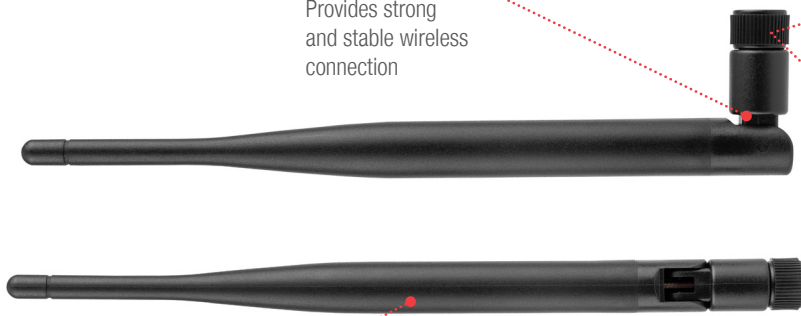


SMA (male) connector



RP-SMA (male) connector

Hinge joint allows 90° rotation on the vertical plane and SMA-J connector allows 180° rotation on the horizontal plane
Provides excellent omnidirectional coverage



Operates on 868 and 915 MHz LoRa frequencies
Offers long-range coverage

Applications

Industrial

- Smart city
- Smart meters
- Power devices
- Smart logistics

IoT

- IoT in agriculture
- IoT and IT infrastructure



Smart city



Smart meters



Smart logistics

Specifications

REFERENCE INFORMATION

Packaging: PET bag
Mates With: SMA socket
Designed In: Millimeters
RoHS: Yes

ELECTRICAL

Frequency (MHz): 868±10, 915±10
RF Power (Watt): 2.0
Return Loss (dB): <-15 (for 868±10MHz)
<-8 (915±10MHz)
Average Total Radiation Efficiency: >75%
(for 868±10MHz) >70% (915±10MHz)
Peak Gain (dBi): 2.5 (for 868±10MHz)
1.7 (915±10MHz)
Impedance (Ohms): 50

MECHANICAL

Refer to product specifications

PHYSICAL

Size (mm): 196.00 by 6.00
Material: Refer to sales drawings
Operating Temperature: -40 to +85°C