

Features of Scooter Tracker



- Scooter tracker with long range data link and Beidou/GPS tracking
- High sensitivity: down to -132 dBm
- Sensors: GPS, 3 axis accelerometer, and temperature sensor
- Water proof (IP65)
- Geo Fencing notifications from data center
- Displacement detection alert
- Low battery alert
- Battery disconnection alert
- Motion/movement detection

This Scooter Tracker is a tracker designed for scooter theft prevention. It communicates with the IoT AP/Gateway using the IEEE 802.15.4g protocol standard for long range wide area deployments. Typical deployment is using star network configuration similar to mobile network base station. Because of its long range, high penetration and high sensitivity capabilities, it is a much more cost effective way for service providers to deploy this for tracking scooters than to use GPRS network. The tracker is equipped with BDS/GPS, 3-axis accelerometer, and temperature sensor.

Specification

Wireless Frequency Band	902 ~ 928MHz ISM (SKU-US) 862 ~ 870MHz ISM (SKU-EU)	Number of Channels	Configurable 16 channels (SKU-US) Configurable 8 channels (SKU-EU)
Operating Voltage	2.8 - 3.6V	Transmit Power	Up to 0.1W
Receive Sensitivity	-132 dBm	Antenna Type	Internal Antennas design
Operating Temperature	-10°C ~ 75°C	Modulation	Based on IEEE 802.15.4g
Dimensions	L:86 x W:41 x H:14mm	LED indicator	3 LED/I/O interface
Chipset solution	STM32L151CBU6TR	Security	AES 128
LoRa solution	SX-1276		