

# Features of Asset Tracker



- General purpose tracker with long range data link
- High sensitivity: can down to -142.5 dBm
- Design to provide GPS tracking
- Sensors: GPS, 3 axis accelerometer, temperature sensor and BLE
- Water proof
- Different tracking profiles
- Mobile App to provide Geo Fencing notifications

This Asset Tracker is a general purpose tracker designed for general GPS tracking on various assets: bicycles, pets, kids or seniors. 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 applications than to use GPRS network. The tracker is equipped with GPS, 3-axis accelerometer, and temperature sensor. It also has BLE for pairing and user configuration usages.

## 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	Battery power with docking station for charging	Transmit Power	+17 dBm
Receive Sensitivity	-136 dBm typ.	Antenna Type	Internal antennas
Operating Temperature	-10°C ~ 50°C	Modulation	Based on IEEE 802.15.4g
Dimensions	L:59 x W:24 x H:11.5mm	LED indicator	TBD
Certification	FCC, NCC	Protection Requirements	IP67