

Asset Tracker

Model Number: WSMS-116X321IS

Main Features:



- General purpose tracker with long range data link.
- High sensitivity: 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 GPS tracking on various assets: bicycles, pets, kids, seniors, etc'. It communicates with the IoT AP/Gateway using a LoRaWAN protocol standard for long range wide area (LPWAN) deployments. Because of its long range, high penetration and high sensitivity capabilities, it ensures a reliable link. Moreover, it prolongs battery time compering to other solutions because of the LoRaWAN low power and star topology nature.

The tracker is equipped with GPS, 3-axis accelerometer, and temperature sensor. It also includes BLE for pairing with the mobile application and for user configuration usages.

The general purpose Asset Tracker is accompanied with an Android/iOS mobile application. The applications enables to display real-time data on the tracker location and to set a perimeter (geo-fencing) that will trigger an alert each time the tracker is found outside of the area.

Specification

Wireless Freq. Band: 915-917MHz complies with the Israeli MoC spec (Models for other regions are also available)	
Channels / Bandwidth: 6 / 125KHz	
LoRa RF Chip: Semtech SX-1276	Modulation: Based on IEEE 802.15.4g (FSK / CSS)
Tx Power: 25/100mW (Depending on used channel)	Rx Sensitivity: up to -142dBm
Operation Temperature: -10°C ~ 50°C	Antenna Type: Internal (Included)
Protection Requirement: IP67	Certifications: FCC, NCC
Power Supply: 5V USB power	Internal Battery: 120mAh, Pogo pin charging for cable is included
Dimensions: 59mm x 24mm x 11.5mm	Weight: 0.02kg