

RTLX-SK01

IoT Starter Kit for Real-time Locating and Telesensing System



Introduction

Lincronix IoT starter kit provides real-time locating and telesensing function for the scenario in indoor location tracking, asset tracking, personal tracking and message delivery. The starter kit package provides 1 year cloud service which includes location engine, dashboard, web application, and wristband message; the hardware devices include 4 set LBS-3026, 4 set STG-1020, and 2 set WTG-1045.

Key Features:

- ✓ Ultra-Low Power Solution for Sensor & Tag
- ✓ Easy Deployment & Auto Provision Gateway
- ✓ Highly integrated for Various IoT Protocols
- ✓ Smart Location Engine & Cloud Service

Software Specifications

Cloud Service

Server	Maintained and monitored under Azure/AWS framework
Data	Location and sensor data are specially handled by time series database for high performance
Integration	RESTful API for external system integration

Location Engine

Accuracy	In range of 3m
Latency	Move detection in 5 seconds
Event	Event triggered and notification by location

Web Display & Management Application

GUI	Intuitive operation and graphic display of real time location
Operation	Category filter and target search
Device Management	Device registration and bind to target
Target Management	Category management includes name and icon modification

Hardware Specifications



STG-1020
RTLX Asset Tag

RF	low power and high efficient BLE 4.x solution
Power	1,000mAH 3V non chargeable Li battery CR-2477
Sensor	Tri-axis Digital Accelerometer G-Sensor
Dimensions	35 x 35 x 15 mm (1.38" x 1.38" x 0.6")
Accessory	Mount Kit (20 x 25 mm/0.8" x 1.0")



WTG-1045
RTLX Band Sensor

RF	Low power and high efficient BLE 4.x solution
Power	55mAH rechargeable lithium-ion battery
Sensor	Tri-axis Digital Accelerometer G-Sensor
User Interface	OLED Display, Vibrator, Touch Button
Dimensions	43.4 x 14.6 x 10.9 mm (1.71" x 0.57" x 0.43")
Accessory	Wrist Band, USB Charger



LBS-3026
RTLX Combo Base Station

RF	Wi-Fi (IEEE 802.11 a/b/g/n) BLE (Bluetooth Low Energy 4.x)
Interface	Panel Button, Reset Button, Visual Indicator, Auditor Indicator
Power	External DC +5V (micro-USB type B connector)
Dimensions	110 x 60 x 17 mm (4.33" x 2.36" x 0.67")
Accessory	mounting kit, AC-DC adapter 5V, USB cable

Ordering Information

Part Number	Description
RTLS-SK01	IoT Starter Kit for Real-time Locating and Telesensing System

Packing List

Part Number	Description
STG-1020	RTLX Asset Tag x 4 set
WTG-1045	RTLX Band Sensor x 2 set
LBS-3026	RTLX Combo Base Station x 4 set

All product specifications are subject to change without notice