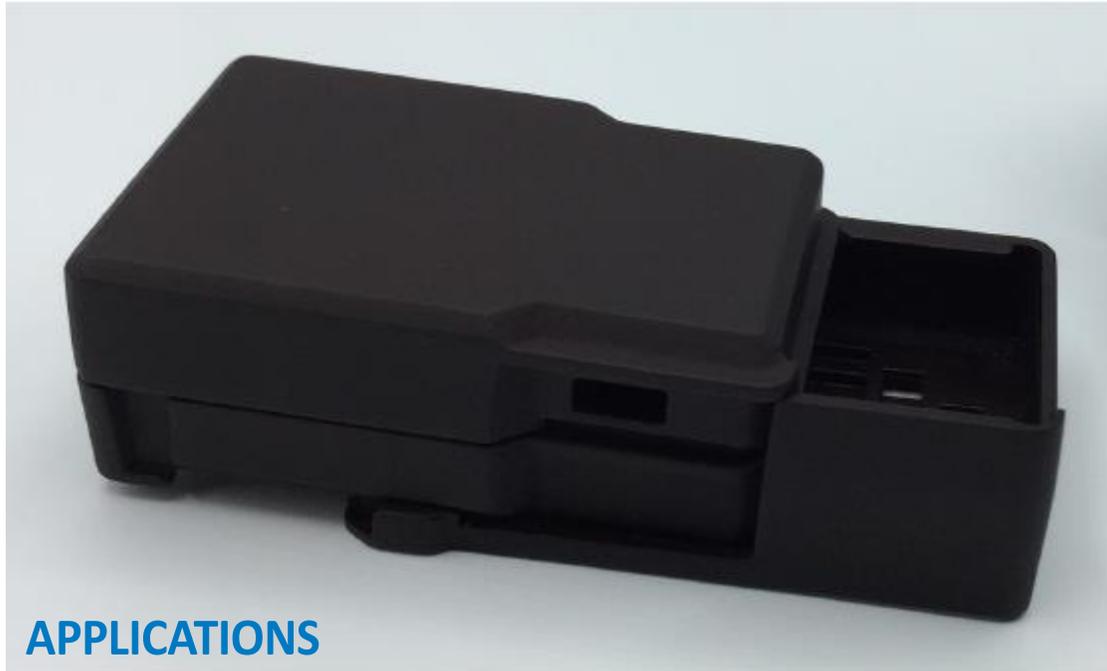


EdgeIT SigFox Asset Tracker

Low Profile, Multi-function SigFox Asset Tracker, Utilizes WiFi, Bluetooth & Sigfox RF, Long Life Rechargeable USB



APPLICATIONS



Non-powered asset tracking



Equipment locate and recovery



Indoor Tracking



Anchoring and security of assets



Pallets and parcels



Monitor Sensors and Events

The Last Mile EdgeIT is a low power connected IP67, tamperproof device designed to leverage the Sigfox IoT Network. It includes several sensors to monitor, measure and report data via API, web, or mobile applications. The device utilizes Sigfox Network, WiFi connections or Bluetooth for data communication. The EdgeIT OS can be configured to monitor, & report multiple sensor data types, location modes & managed with firmware designed for "Over the Air" WiFi updates.

FEATURES

- Operates on SigFox IoT networks around the world
- GPS, GLONASS, and Wi-Fi Positioning System (WPS)
- Long battery life up to 3 years
- 6-Axis Accelerometer, multiple sensors
- Small size, IP67 Rated, weighs less than 26 grams
- Uses Lithium Poly mini-USB waterproof rechargeable battery
- Time and event based movement/activity alerts
- Easy to install simply "place-n-trace"
- Easy to conceal, multiple mounting options
- Suitable for equipment, pallets, kegs, tools, people, packages, bins, containers etc...

MECHANICAL SPECIFICATIONS

Compact Housing The EdgeIT comes in a compact IP67 rated housing (waterproof) that is UV stable and rugged

Dimensions L 60 x W 35 x H 24 mm

Operating Temperature -20°C to +60°C
Board and housing, ensure the battery is rated to withstand the conditions of the application

POWER

Batteries The EdgeIT uses a lithium poly 1250 mAh rechargeable via a waterproof mini-USB connector

Battery Life Up to 3 years depending on settings

Max Input Voltage 6V maximum

Sleep current 3uA

OTHER

Internal Memory 16mb memory to store over 25,000 records. Normally data is sent to the server immediately but if the device is out of range there is space to ensure no data is lost.

6-axis accelerometer The 6-axis accelerometer allows the EdgeIT to 'sleep' in an ultra-low power state yet still wakeup when movement occurs. It can also detect high-G, timed and sensor event activity.

CONNECTIVITY

Standard Sigfox Ready Class 0 Configuration RC1 or RC2

RC Zone The EdgeIT can be manufactured for specific SigFox operating Zones around the world.

RF Transmission Range of Operation 868.13 to 869.525MHz
Transmit Power emission 14 dBm ERP, 22 dBm ERP

WiFi (2.4GHz) : Supports 802.11 b/g/n

Bluetooth BLE Supports BT4.2, 5

NFC Supports 2 near Field Communication (NFC-A) tag with wakeup-on-field and touch-to-pair capabilities.

SENSOR MONITORS

Temperature Accuracy $\pm 02^{\circ}\text{C}$

Humidity Accuracy $\pm .2\%$ rH, 20 to +80% rH, Excellent Stability at High Humidity

Accelerometer 6 axis $\pm 2\text{g}/\pm 4\text{g}/\pm 8\text{g}$ dynamically selectable full scale, accuracy ± 100

Magnetometer Range $\pm 1200 \mu\text{T}$ / Sensitivity $0.1 \mu\text{T}/\text{LSB}$

Ambient Light Light Pipe, Optical Filter to Match Human Eye, Measure 0 to over 83k lux

Pressure 260 to 1260 hPa absolute pressure range, HiRez .01 hPa RMS
4, LoRez $4 \mu\text{A}$, 24 bit optpt

Magnetometer 3 axis $\pm 4\text{g}/\pm 8\text{g}/\pm 12\text{g}/\pm 16\text{g}$ full Scale Low Power, I2C/SPI digital

GPS & WI-FI TRACKING

GPS Supports GPS and GLONASS

WiFi Positioning Uses WiFi Sniffer to scan for Wifi access points to triangulate position. Great for indoor where GPS doesn't perform well.

FIRMWARE SMARTS

Adaptive Tracking	Adaptive-Tracking technology enables the Accelerometer, Wi-Fi and GPS data to intelligently work out if it is moving and to send frequent updates, as well as to scale the update rate down to once per day if the asset is stationary to preserve battery life
OTA Configuration	The EdgeIT can be remotely configured and updated OTA (over the air). Device management is performed from Last Mile Firware Server and device management platform.
AES-256 Security	The EdgeIT network uses bank-level AES-256 device authentication and data encryption to ensure that your data is kept private and secure
Recovery Mode	The EdgeIT can be switched into Recovery Mode which switches the device to do live tracking and reporting – so that you can get your asset back!
G-Force Events	The 3D accelerometer optionally enables harsh G-force detection (like assets being dropped or involved in accidents) and reports these to the server.
Geo-Fences	The EdgeIT has the capacity to hold hundreds of geo-fences that can be downloaded to it from the server and WiFi updated Over-The-Air. Firmware settings enable alerts to be sent to the server upon entering or leaving a geo-fence.
After Hours	The EdgeIT can be set to alert on after-hours activity, and to use alternate logging parameters

Man Down

The EdgeIT can be configured to send an alert to the server when the device has not moved for a set amount of time. Handy for equipment, shipments etc.

