

# Little Tag

Li3 SERIES | Product Datasheet



## OVERVIEW

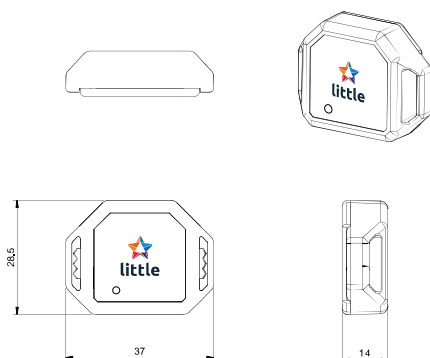
Litum Little Tag is a small yet powerful tracking device designed to ensure the safety and security of newborns in healthcare settings. Leveraging multiple technologies such as Bluetooth Low Energy (BLE), Ultra-Wideband (UWB), and Low Frequency (LF), the Little Tag provides unparalleled accuracy and reliability in monitoring infants. It is waterproof and easy to disinfect, ensuring high hygiene standards. Additionally, its hypoallergenic properties make it ideal for use with newborns.

As part of the Litum product suite, the Little Tag ensures seamless integration and high-precision tracking within healthcare environments. Fully compatible with the LenelS2 OnGuard® access control system, Litum's RTLS technology interfaces seamlessly with hospitals' comprehensive security management systems, providing a unified approach to safety and incident management in healthcare facilities.

## HIGHLIGHTS

- **Small, light**, and with rounded edges, the tag ensures a snug fit on a baby's ankle with durable materials and no sharp edges.
- **Certified with IP67**, it is waterproof and can be thoroughly cleaned and sterilized.
- **Hybrid location technology** supporting UWB, BLE and LF capabilities, offering high-precision tracking. Litum's UWB technology delivers sub-meter location accuracy, critical for highly time-sensitive abduction cases.
- **Tamper-proof** tags and loose detection capability ensure security and integrity. If the tag is removed, **loosen detection** activates and an alert is triggered notifying the staff.
- **Acceleration sensors** provide motion detection capabilities.
- Supports **radio-based access control**.
- Over-the-air firmware updates enable easy maintenance.
- **Paired with mother and caretaker** badges to prevent mix-ups, ensuring babies are always matched with the correct parent. Only authorized nurses and the mother can take the infant out of designated areas like NICUs. In case of an unauthorized attempt to move the baby, an alert is triggered immediately, notifying the appropriate staff.
- **Inactivity alerts** inform the staff if the baby stays motionless for an extended period, ensuring prompt attention.

## DIMENSIONS



## USE CASES

- **Oversight:** Ensures round-the-clock monitoring of newborns' locations to mitigate risks of unauthorized movements. UWB technology offers precise location tracking within the facility.
- **Infant Abductions:** The solution prevents unauthorized attempts to move newborns, significantly reducing the risk of abductions.
- **Newborn Mix-ups:** Tags are paired with mother and caretaker badges to prevent mix-ups and ensure that babies are always matched with the correct parent.
- **Access Control:** Caretakers are allowed to pass only when permissions are given; otherwise, doors will be locked or elevators will be inactivated.



## KEY FACTS

### Physical and Environmental

|                             |   |
|-----------------------------|---|
| Dimensions                  | 37 x 28.5 x 14 mm (1.46 x 1.12 x 0.55 inches) |
| Weight                      | 15 g (0.53 oz)                                |
| Material Type               | ABS   |
| Color Options               | White   |
| Battery Type and Capacity   | 3.7V 100 mAh Li-Po                            |
| Battery Life                | Up to 3 weeks                                 |
| Ingress Protection          | IP67  |
| Accessories                 | Wristbands                                    |
| Operating Temperature Range | -10°C to +60°C (14°F to 140°F)                |
| Storage Temperature Range   | -10°C to +60°C (14°F to 140°F)                |
| Humidity Tolerance          | 0% to 95% non-condensing                      |

### Hardware and Connectivity

|                         |                                 |
|-------------------------|---------------------------------|
| LED Indicators          | Charging, Status, Activity      |
| Motion Sensor           | Yes                             |
| Tamper Detection        | Yes                             |
| Connectivity Ports      | Wireless only                   |
| Firmware Upgrade        | OTA (Over-the-Air)              |
| Loosen Detection        | Yes                             |
| Communication Protocols | BLE UWB                         |
| Frequency               | 2402-2480MHz BLE ,6.4896GHz UWB |

### Regulatory Compliance

|                               |  |
|-------------------------------|--|
| Industry Standards Compliance | FCC (Federal Communications Commission) - <i>in progress</i><br>CE (Conformité Européene) - <i>in progress</i><br>IC (Industry Canada) - <i>in progress</i><br>RoHS (Restriction of Hazardous Substances Directive) - <i>in progress</i> |
|-------------------------------|--|

| Supply Options | SKU No.    | Product Series | Product Name      | UWB | BLE | LF |
|----------------|------------|----------------|-------------------|-----|-----|----|
| Option 1       | 6360000001 | Li3 Series     | Little Tag w/o LF | ✓   | ✓   | ✗  |
| Option 2       | 6360000002 | Li3 Series     | Little Tag w/ LF  | ✓   | ✓   | ✓  |

## FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

430 Collision Warning System belongs to FCC Part 15.517 indoor UWB systems.

"This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties."

## IC Warning

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement.  
The device can be used in portable exposure condition without restriction.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada .  
Son fonctionnement est soumis aux deux conditions suivantes :

- ( 1 ) Ce dispositif ne peut causer d'interférences ; et
- ( 2 ) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Le dispositif a été conçu pour répondre à la demande générale de radioexposition.