

Dualis Tag

Asset Tracking | Li3 SERIES | SKU: 6370000001



OVERVIEW

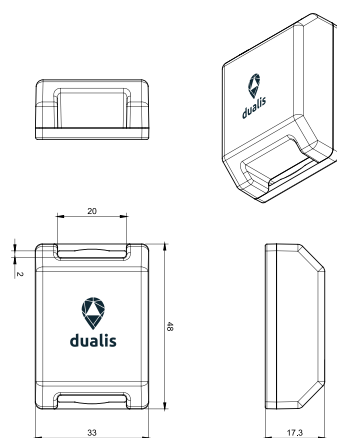
Litum Dualis Tag is a versatile tracking device, primarily designed for asset tracking, featuring a replaceable battery, with a lifespan of up to 5 years. The tag's battery life is optimized for prolonged use through smart power management and Bluetooth Low Energy (BLE) and Ultra-Wideband (UWB).

Dualis Tag ensures accurate tracking and easy integration into different infrastructures, featuring movement detection capabilities for immobility alerts and tamper detection. It is durable, waterproof, and protected by an IP67 rating. Its compact and lightweight design makes it suitable for various settings.

HIGHLIGHTS

- **Replaceable battery** to reduce maintenance frequency.
- **Certified with IP67**, waterproof and can be thoroughly cleaned and sterilized, suitable for multiple uses.
- **Hybrid location technology** supporting BLE and UWB capabilities, offering high-precision tracking. Litum's UWB technology delivers sub-meter location accuracy, critical for precise locations.
- **Up to 5 years** of battery life, depending on the use case.
- **Motion sensor** for automated power saving and system safety alerts, including sleep and inactivity.
- **Magnetic sensors** for user interaction and enhanced functionality.
- Buzzer for vibration-based notifications.
- **Over-the-air** firmware updates without service interruption.
- **Tamper-proof** construction.
- **Compact size** and lightweight design.

DIMENSIONS



USE CASES

- **Asset Tracking:** Real-time tracking of valuable assets within a facility, providing precise location data to enhance security and operational efficiency. The long battery life and replaceable battery make it ideal for long-term asset management.
- **Staff Workflow:** Tracks the movement and activities of staff members, optimizing workflow and improving productivity. Provides valuable insights into staff allocation and utilization.
- **Process Tracking:** Monitors various processes within a facility, ensuring that operations are running smoothly and efficiently. Helps in identifying bottlenecks and areas for improvement.
- **Medical Asset Tracking:** Ensures the precise location tracking of medical equipment and assets within healthcare facilities. The robust and waterproof design ensures reliability in sterile environments.
- **Zone Access Control:** Restricts and monitors access to specific zones within a facility, ensuring only authorized personnel can enter designated areas. Prevents unauthorized access and enhances security.

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.

Li3 Series - Dualis Tag 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.C301 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.

KEY FACTS

Physical and Environmental

Dimensions (WxHxL)	33 mm × 48 mm × 17.3 mm (1.30 in × 0.68 in × 1.89 in)
Weight	28 g (1 oz)
Material Type	PC + ABS
Color Options	White
Battery Type and Capacity	Li-SOCl ₂ 1200 mAh
Battery Life	Up to 5 years
Ingress Protection	IP67
Operating Temperature Range	-30°C to +70°C (-22°F to +158°F)
Storage Temperature Range	-30°C to +70°C (-22°F to +158°F)
Humidity Tolerance	0% to 95% non-condensing

Hardware and Connectivity

LED Indicators	Status, Activity
Buzzer	Yes (Optional)
Motion Sensor	Yes
Tamper Detection	Yes
Magnetic Sensor	Yes
Firmware Upgrade	OTA (Over-the-Air)
Communication Protocols	BLE, UWB

Regulatory Compliance

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