



LocoTag P4B.



Product Highlights.

- Small, covert and easy to install
- Long battery life of up to 12 months
- Reports every 5 or 10 seconds
- Up to 80m (250ft) range
- IP65 waterproof
- Uses standard VLE protocol

How the system works.

The LocoTag P4B has been developed to work alongside the LocoTrack tracking and monitoring devices. The LocoTag P4B can report presence/absence for alert notifications to LocoAware via SystemLoco devices.

LocoAware enables you to view the proximity data and locations where the LocoTags have been observed by LocoTrack devices. The same controls are accessible to 3rd party applications via JSON API to the Loco server.

Installation and asset association.

Installation is simple. The LocoTag has a 3M adhesive backing which provides a strong attachment to plastic and metal assets.

Each LocoTag has a unique identifier that is presented as a number and a barcode on its label. Association is completed by scanning this barcode and entering details regarding the asset. This can be completed directly on LocoAware. Once associated, LocoAware allows the user to search for a type of asset, or for a specific asset.

Design considerations.

The system has been developed with end-to-end security in mind and protection against replay and masquerade attacks are provided as standard. Each LocoTag P4B has a unique key programmed at manufacture and all communication is authenticated.

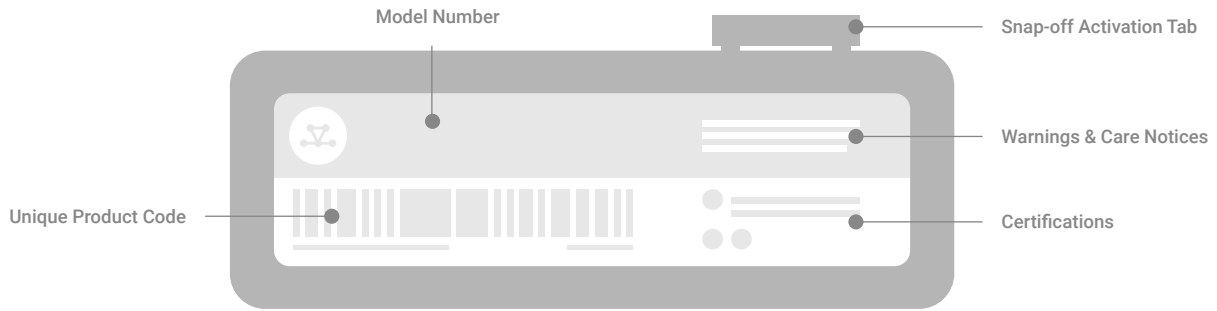
Applications include.

Asset & personnel management:

The LocoTag P4B has been designed to make finding people or assets easy. With a network of LocoTrack devices, assets or personnel can be found effortlessly and instantly.



Technical Specifications.



Communication

BLE 4 & 5 discoverable uthenticated proprietary protocol over 2.4GHz

LocoTag Reporting

Range	20m (indoors) 80m (outdoors / LOS)
Number of tags	Up to 1,000 tags per LocoTrack device
Reporting interval	15 minutes

Power Consumption

Sleep	0.004 mA (average)
Reporting	12 mA (average)
Reporting period	sub 1ms

Battery

320mAh primary battery (2xCR2025, total 0.1g lithium), providing 12 months of proximity reporting.

Mechanical Charecteristics

Dimensions (LxWxH)	75x34x4 mm
Weight	15 gr
Material	PC+ABS (recyclable casing)
Colour	Black

Environmental

IP rating	65
Storage temperature	-30 to 60°C
Operating temperature	-25 to 60°C

Certifications

CE, ROHS, FCC, IC, MIC, etc.

Works With

LocoTrack Devices, Z1U

Part Number

P4B	Proximity reporting
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