



# LocoTag E4P.



## Product Highlights.

- Small, covert and easy to install
- Long battery life up to 5 years
- Up to 80m (250ft) range
- IP54 splashproof
- Communicates every 10 seconds
- Environmental sensing (temperature & humidity)
- Uses encrypted proprietary BLE protocol over 2.4GHz
- Certified for use in over 16 countries

## How the system works.

The LocoTag E4P has been developed to work alongside System Loco tracking and monitoring devices. The LocoTag E4B can report presence/absence as well as the data for alert notifications (temperature/humidity) to LocoAware via System Loco 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 E4P has a unique key programmed at manufacture and all communication is authenticated.

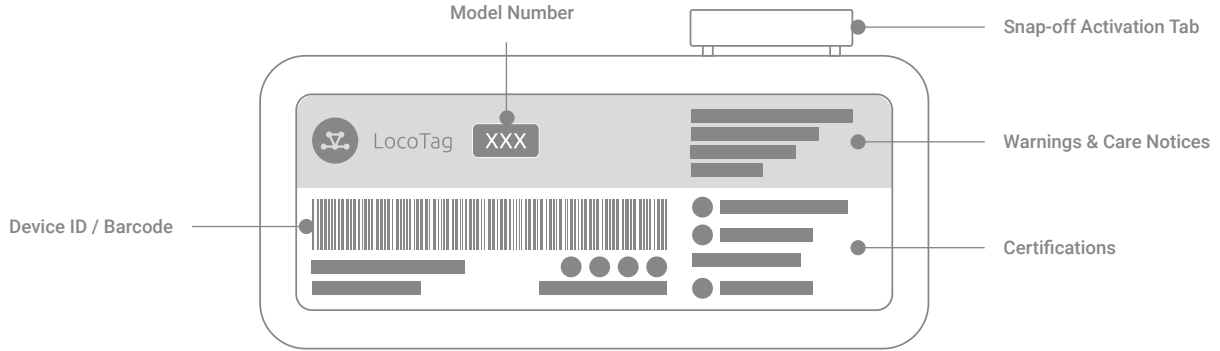
## Applications include.

Our LocoTag E4P provides reliable, detailed and complete temperature and humidity traces for goods across multiple industries such as refrigerated cold chain and dry goods movement.

When used as part of a high value supply chain solution, individual goods can be tracked during both transit and delivery, ensuring no individual item is lost.



# Technical Specifications.



## Communication

Authenticated proprietary protocol over 2.4GHz

## Sensing Capabilities

Sensing capabilities include:

<b>Temperature</b>	<1°C (2°F) accuracy NIST traceable
<b>Humidity</b>	sub 2% RH accuracy

## LocoTag Reporting

<b>Range</b>	20m (65.6ft) indoors 80m (262.5ft) outdoors
<b>Number of tags</b>	Up to 1,000 tags per LocoTrack device
<b>Reporting interval</b>	4.8 seconds (approx.)

## Power Consumption

<b>Sleep</b>	0.004mA (average)
<b>Reporting</b>	12mA (average)
<b>Report duration</b>	3ms

## Battery

320mAh primary battery (2xCR2025, total 0.1g lithium), providing 9 months of continuous operation, with up to 30 days of temperature/humidity logs at 15-minute intervals

## Mechanical Charecteristics

<b>Dimensions (LxWxH)</b>	75 x 34 x 4mm (2.95 x 1.34 x 0.16in)
<b>Weight</b>	15g (0.5oz)
<b>Material</b>	PC+ABS (recyclable casing)
<b>Colour</b>	Black

## Environmental

<b>IP rating</b>	54
<b>Storage temperature</b>	-30 to 60°C (-22 to 140°F)
<b>Operating temperature</b>	-25 to 60°C (-13 to 140°F)

## Works with

<b>LocoTrack Devices</b>	LTP-HGD4, LTR-HGR4, LTR-HFR4, LTP-HGP4, LTP-HGC4
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## Certifications

<b>Countries</b>	FCC, UKCA, RCM, ANATEL, IC/ISED, SUBTEL, CE, RoHS, WEEE, OFCA, WPC, Giteki, NOM/NYCE/IFETEL, IMDA, KC, NCC, NBTC
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## Part Number

E4P