

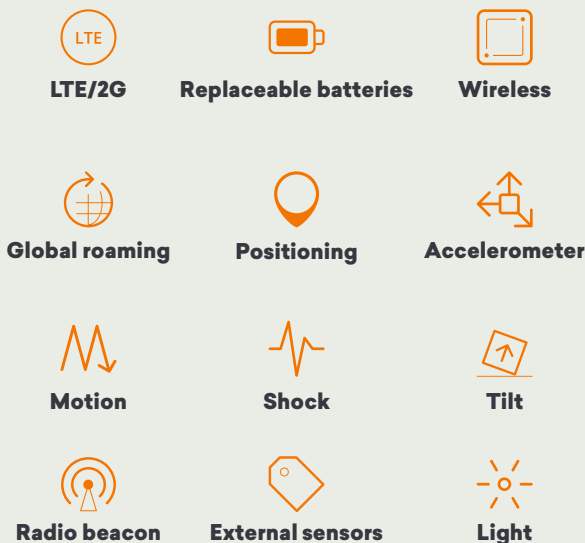
# T1

## IoT data tracking device

**T1** is a small IoT device for data monitoring and tracking of assets and equipment locally and globally.

Highlights include robust casing, replaceable long-life batteries, global mobile connectivity and advanced and intelligent sensor technology.

It connects using the low power network technology LTE Cat-M1 and supports 2G fallback.



**T1** is a small IoT tracking device and data logger designed for **data tracking and monitoring** of any asset – stationary or moving – where certain data or conditions are essential for compliance or safety.

Device is **managed online** on the Trusted Data Portal. The portal visualizes data on maps, in graphs, and in reports. Features include automatic compliance data, map navigation, incident alarms etc. API is available.

**Two quality long-life batteries** are included and can be replaced when needed. Use only authorized ER14505M cells. Battery lifetime varies on settings.

A built-in **3-axis accelerometer**, offers high-precision data on motion, shock and orientation, while other sensors track light and temperature.

Available **external wireless RHT and RFID-tags** offer humidity sensor and additional temperature data.

Position data is from **internal GPS** or via mobile network triangulation if GPS signal is unavailable. Built-in radio beacon can be activated for close-range location.

Global mobile network roaming is available with the communication technology LTE Cat-M1 (2G fallback).

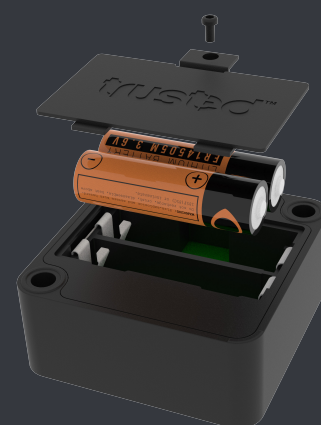
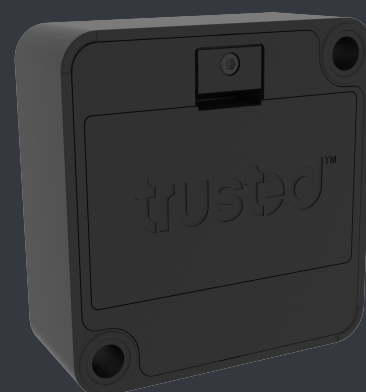
**All data is logged** internally on the device between transmissions or when outside of data coverage. Data transmissions follow a user-fixed schedule or are triggered based on sensor data configured by the user.

Trusted devices are in operation **all over the world** in industries like logistics, security, wind, and construction.

## Specifications

|                                                   |                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Battery lifetime</b><br>(2 batteries inserted) | <b>Type: T1.400</b><br>Typically 2700 transmissions based on 1 transmission/day *  |
| <b>Trackable data</b>                             | Position, motion, tilt, rotation, vibration, shock, light, temperature (+/-0,5°C). |
| <b>Data log features</b>                          | Stores 300 data entries (as default) on internal storage incl. all sensor data.    |
| <b>Antenna, GPS</b>                               | Internal                                                                           |
| <b>Antenna, LTE/2G</b>                            | Internal                                                                           |
| <b>Antenna, radio</b>                             | Internal                                                                           |
| <b>Radio beacon</b>                               | UHF                                                                                |
| <b>Network technology</b>                         | LTE Cat M1 / GSM EGPRS (850/900/1800/1900MHz)                                      |
| <b>SIM</b>                                        | Embedded, subscription required                                                    |
| <b>Server communication</b>                       | LTE/2G                                                                             |
| <b>Server protocols</b>                           | API available upon request                                                         |
| <b>Configuration</b>                              | Via server                                                                         |
| <b>External tag connectivity</b>                  | Yes                                                                                |
| <b>Housing</b>                                    | PA6 (nylon)                                                                        |
| <b>IP rating</b>                                  | IP53                                                                               |
| <b>Maximum allowed continuous acceleration</b>    | 8 g                                                                                |
| <b>Dimensions</b>                                 | 68 x 68 x 28,5 mm                                                                  |
| <b>Weight</b>                                     | 120 gram                                                                           |
| <b>Battery package</b>                            | 2 pcs ER14505M (replaceable)                                                       |
| <b>Lithium content</b>                            | < 2 gram (0.6 gram in 1 pcs ER14505M)                                              |
| <b>Temperature, operating</b>                     | -30 °C to +85 °C                                                                   |
| <b>Temperature, storage</b>                       | +30 °C max (recommended)                                                           |
| <b>ADR</b>                                        | UN3091                                                                             |
| <b>US content</b>                                 | 0%                                                                                 |
| <b>ECCN</b>                                       | EAR99                                                                              |
| <b>HS (TARIC export) code</b>                     | 852691                                                                             |
| <b>Country of origin</b>                          | Made in Denmark                                                                    |

\*) Depending on signal and temperature conditions. 10% extra transmissions with GPS disabled and location based upon triangulation.



Version 2.2 - Subject to change without notice.  
This data sheet references to firmware 3.60 or newer.