

# T1

## IoT data tracking device



LTE/2G



Replaceable batteries



Wireless



Global roaming



GPS



Accelerometer



Motion



Shock



Tilt



Radio beacon



External sensors



Light

# IoT

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

Highlights include wireless casing, replaceable long-life batteries, global GSM 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> (2 batteries inserted)	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 (0.7 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>	8526 91 20 20
<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.

## Type: T1.400



Version 1.3 - Subject to change without notice.  
This data sheet references to firmware 3.60 or newer.