

T1

IoT data tracking device



LTE



Replaceable batteries



Wireless



Global roaming



Position



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

It connects using the newest LTE low power network technology.



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 quality 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.

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

Global mobile network roaming is available with newest LTE mobile communication technology.

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.

Also available in version with built-in **RHTP sensors** (Relative Humidity, Temperature and air Pressure).

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

Specifications

Battery lifetime (2 batteries inserted)	Typically 3000 transmissions based on 1 transmission/day *
Trackable data	Position, motion, tilt, rotation, vibration, shock, light, temperature (+/-0,5°C).
Data log features	Stores 300 data entries (as default) on internal storage incl. all sensor data.
Positioning technology	GPS, WiFi, Mobile cell triangulation
Antenna, GPS	Internal
Antenna, LTE	Internal
Antenna, radio	Internal
Antenna, WiFi	Internal
Radio beacon	UHF
Network technology	LTE Cat.1bis
SIM	Embedded, subscription required
Server communication	LTE
Server protocols	API available upon request
Configuration	Via server
External tag connectivity	Yes
Housing	PA6 (nylon)
IP rating	IP68
Maximum allowed continuous acceleration	8 g
Built-in magnet force	3 kg. Optional (Order T1.500.012)
External magnet force	20 kg. Ordered separately
Dimensions	68 x 68 x 28,5 mm
Weight	125 grams excl. batteries 160 grams incl. batteries
Batteries	2 pcs ER14505M, 2 x 7,56Wh (replaceable)
Battery change	4 pcs M3 machine screws
Lithium content	< 2 gram (0.6 gram in 1 pcs ER14505M)
Temperature, operating	-30 °C to +85 °C
Temperature, storage	+30 °C max (recommended)
ADR	UN3091
US content	0%
ECCN	EAR99
HS (TARIC export) code	852691
Country of origin	Made in Denmark

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



Version 2.3 - Subject to change without notice.
This data sheet references to firmware 3.60 or newer.