T1

IoT data tracking device

LTE — LTE/2G

Replaceable batteries

Wireless

Global roaming

GPS

Accelerometer

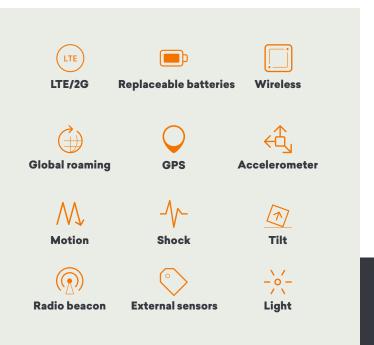**Motion**

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

Type: T1.400

Battery lifetime (2 batteries inserted)	Typically 1000 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.
Antenna, GPS	Internal
Antenna, LTE/2G	Internal
Antenna, radio	Internal
Radio beacon	UHF
Network technology	LTE Cat M1 / GSM EGPRS (850/900/1800/1900MHz)
SIM	Embedded, subscription required
Server communication	LTE/2G
Server protocols	API available upon request
Configuration	Via server
External tag connectivity	Yes
Housing	PA6 (nylon)
IP rating	IP53
Maximum allowed continuous acceleration	8 g
Dimensions	68 x 68 x 28,5 mm
Weight	120 gram
Battery package	2 pcs ER14505M (replaceable)
Lithium content	< 2 gram (0.7 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	8526 91 20 20
Country of origin	Made in Denmark

*) Depending on signal and temperature conditions.

trusted™