

T1

IoT Data Tracking Device

T1 is a compact IoT tracking device and data logger designed for data tracking and monitoring of assets where certain conditions are essential for compliance or safety.

When mounted, the device tracks high-precision sensor data, making it suitable for logistics and supply chain tracking, as well as monitoring sensitive equipment to ensure compliance and safe working conditions.

Position data is obtained from the internal GPS. If the GPS signal is unavailable, location data are derived from mobile network or Wi-Fi triangulation.

The device is managed through our online data portal, visualizing data on maps, graphs, and reports. Features include automatic compliance data, map navigation, incident alarms, and more. API options are available.

All data is logged internally on the device between transmissions or when LTE network coverage is unavailable.

Data transmissions follow a user-defined schedule or are triggered by sensor data configured by the user.

The device includes two high-quality, long-life batteries, that can be replaced when needed.

Editions



Standard Edition

T1.500

- ✓ IP68
- ✓ Radio beacon recovery
- ✓ External tag support (RHT / RFID)



Bluetooth® Edition

T1.510

- ✓ IP68
- ✓ Bluetooth® Low Energy 5.0
- ✓ Data transfer via app



RHTP Edition

T1.520

- ✓ IP68
- ✓ Relative humidity
- ✓ Temperature, air pressure

Standard Edition supports external wireless sensors, such as RHT tags, for additional humidity and temperature tracking of larger assets.

It includes a built-in radio beacon for close-range location recovery when activated.

Bluetooth® Edition features Bluetooth® connectivity, allowing users to connect to any nearby devices using the Trusted Data App.

This enables tracking even when regular network coverage is unavailable.

RHTP Edition features high-precision tracking of relative humidity, temperature, and air pressure.

This all-in-one device is ideal for monitoring installations and sensitive assets, helping ensure compliance and safe working conditions.

Sensors and Trackable Data

Included in all editions



Utilization Data

Analyze running hours to avoid unplanned downtime



Software / API

All data insights are accessible via our online platform or API



Motion

Detect movements and vibrations to monitor asset activity



Shock

Track shock impacts on assets exceeding G-force thresholds



Temperature

Monitor temperature to prevent damage or corrosion



Position

Track, locate, and monitor the whereabouts of all assets



Tilt

Monitor asset tilt beyond a predefined angle



Light

Detect unauthorized light exposure on assets

Specifications

T1.500

Standard Edition

UHF Radio Antenna (internal)	Radio beacon recovery
External Tag Support	RHT, RFID
IP Rating	IP68

T1.510

Bluetooth® Edition

Additional Data Transfer	Bluetooth® Low Energy
Bluetooth® Technology	Bluetooth® 5.0 SIG Declaration ID: D064014
IP Rating	IP68

T1.520

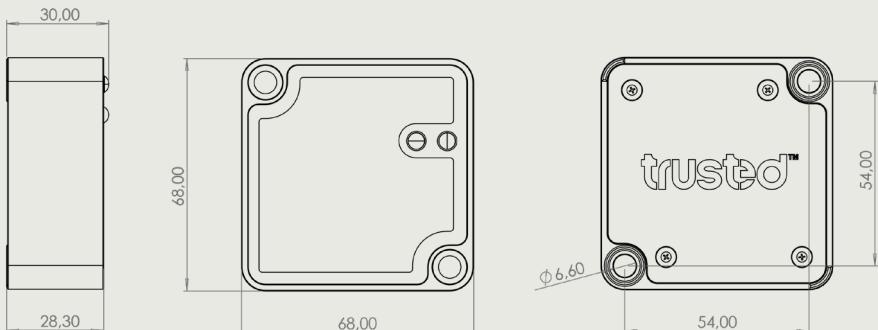
RHTP Edition

Additional Trackable Data	Relative humidity, temperature, air pressure
Sensor Operating Range	0-100 % RH -30 °C to +85 °C 300-1100 hPa
Humidity Sensor Accuracy	±3 % RH
Humidity Sensor Hysteresis	±1 % RH
Temperature Accuracy	±0.5 °C at 25 °C ±1.5 °C full scale
Air Pressure Accuracy	±1.7 hPa at -20 °C to 0 °C ±1.0 hPa at 0 °C to 65 °C
IP Rating	IP67

* Depending on signal and temperature conditions

** Last 2-4 digits vary outside the EU. Find HS code for your region on the EU webpage Access2Markets: <https://trade.ec.europa.eu/access-to-markets/>

Dimensions



Position, motion, shock, vibration, tilt, rotation, light, temperature (± 0.5 °C)
Store-and-forward data log; default 300 data entries before transmission

LTE data to server
Typically 3000 transmissions (1 transmission per day*)

LTE, GPS, WiFi
LTE Cat.1bis
GPS, WiFi, mobile cellular triangulation
Embedded (subscription required)
Online platform or app (sent via server)
API (available upon request)

3-axis accelerometer (max. continuous acceleration: 8 g)

PA6 (nylon), molded with epoxy
2 x ER14505M primary lithium cells, 7.56 Wh per cell (replaceable)

4 x M3 machine screws (PH1)

< 2 g (0.6 g per ER14505M cell)

68 x 68 x 30 mm

125 g excl. batteries
160 g incl. batteries

3 kg (optional: order T1.5x0.012)

20 kg (ordered separately)

-30 °C to +85 °C

Max. +30 °C (recommended)

UN3091

0 %

EAR99

8526 91 XX XX**

Made in Denmark