

T8_{LTE}

IoT tracking device

T8 is a small IoT tracking device uniquely designed for safe flight operations and long-term tracking of all assets and equipment.

It is built on advanced sensor technology, and it features the low power network technology LTE Cat-M1, long battery life, easy installation and a robust casing.



LTE/2G



Battery



IP69k casing



Position



Radio beacon



Motion



Shock



Tilt



Light



Utilization



External tags



Temperature



T8 is a small IoT tracking device and data logger that offers **asset monitoring and data tracking** of any asset; from non-powered equipment to entire fleets. It is designed to comply with flight safety regulations.

Its **robust casing** is suited for all industrial environments and all-weather conditions with an operating temperature range from -30°C to $+85^{\circ}\text{C}$. Battery life-time is typical 5 years based on 1 transmission/day.

The device uses the low power communication technology **LTE Cat-M1** to send transmissions to a server. Transmissions can be set at user-fixed intervals and if specified events occur.

Devices out of data coverage will **log data input** until coverage is available again.

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 acquired by **GPS** or via mobile network triangulation if GPS is not available. A built-in radio beacon can be activated for close-range location.

Data can be viewed on a cloud-based data portal that provides **complete visibility and data analytics**. It provides insights on location, performance, and status of assets and equipment. Data is available on maps, in graphs and in reports. API options are available.

Flight mode feature is available to suppress all radio transmissions to ensure safe conditions during flight.

Devices are in operation all over the world in industries like construction, theft recovery, wind, and logistics.

Specifications	Type: T8.400
Battery lifetime	Typical 2900 transmissions based on 1 transmission/day *
Sensors	Position, Motion, Tilt, Light, Utilization, 3-axis Shock (up to 8 g)
Data log	Store-and-forward log, default 300 entries of all data incl. position and 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) potted with epoxy
IP rating	IP69k
Maximum allowed continuous acceleration	8 g
Dimensions	68 x 68 x 28 mm
Weight	190 gram
Battery package	26 Wh (2 x primary lithium, encapsulated)
Lithium content	< 2 gram
Temperature, operating	-30 °C to +85 °C
Temperature, storage	+30 °C max (recommended)
ADR/ IATA	UN3091, PI970 Section II
US content	0%
ECCN	EAR99
HS (TARIC export) code	8526912020
Country of origin	Made in Denmark

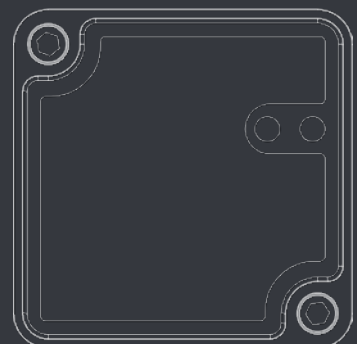
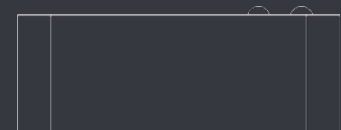
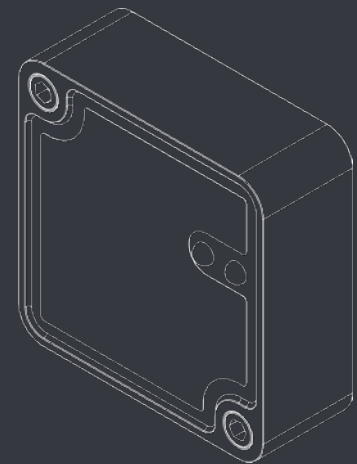
Typical number of transmissions

Network	LTE	LTE/2G **	2G
1 transmission/day	2900	2600	2300
4 transmissions/day	5000	4000	3200
24 transmissions/day	6000	4800	3700

Without GPS, add 10% to above

*) Depending on signal and temperature conditions

**) 50% LTE and 50% 2G



Version 6.1 - Subject to change without notice.
This data sheet references to firmware 3.54 or newer.