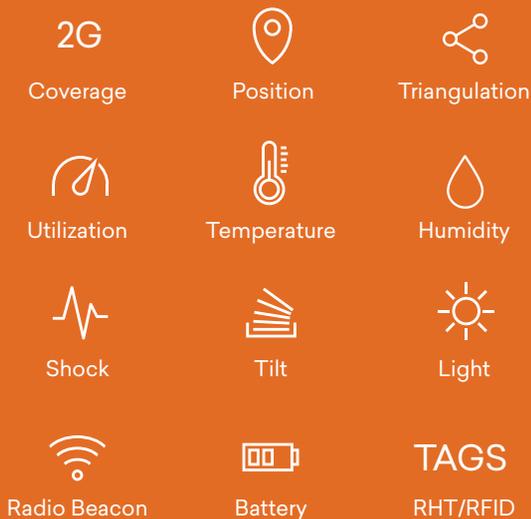


# T9

## IoT tracking device

T9 is a IoT tracking device for long-term tracking and monitoring of assets and equipment globally. It is built on advanced and intelligent technology in a smart design with features including long battery life, easy installation, robust enclosure, and sensors.



T9 is a unique product with typically 7 years battery lifetime based on 1 position/day. The robust casing is suited for all industrial environments and all-weather conditions with an operating temperature range from -30°C to +85°C.

T9 provides global connectivity of any asset, both powered and non-powered equipment and entire fleets. It is primarily designed for heavy industries like transport and logistics, construction, wind power, rental, and theft security and recovery.

T9 transmits data to a cloud-based management software that provides complete visibility and predictive analytics. It gives insights on location, performance, and status of assets and equipment.

T9 uses a quad-band GSM module to send position reports to a server via GPRS. Positions are acquired by GPS and via mobile network triangulation if GPS is not possible. Reports are generated at fixed intervals - e.g., twice per day.

Build-in sensors can trig other reports: Temperature, Light, 3-axis accelerometer for accurate Motion, Shock, Tilt, Utilization. Available external wireless sensors: RHT and RFID tags.

A built-in radio beacon can be activated as GPS back-up for close-range location.

## Specifications

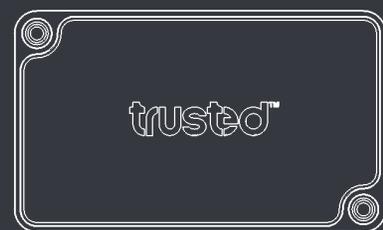
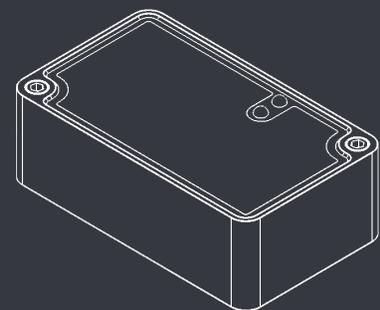
Battery life time	Typically 5000 reports based on 1 report/day *
Battery type	Primary lithium, 12 Ah, built-in, encapsulated
Temperature, operating	-30°C to +85°C
Temperature, storage	-40°C to +85°C
Network technology	GSM, quad-band (850/900/1800/1900 MHz)
Radio beacon	434 MHz, up to 50 mW
Sensors	Position, Motion, Tilt, Temperature, Light, Utilization, 3-axis Shock
Antenna, GPS	Internal
Antenna, GSM	Internal
Antenna, radio	Internal
Dimensions	112 x 68 x 39 mm
Weight	405 g
IP rating	IP69k
SIM	Embedded, subscription required
Server communication	GPRS with SMS backup
Server protocols	API available upon request
Configuration	Via server
Housing	PA6 (nylon) potted with epoxy
ECCN	EAR99
HS (Taric export) code	8526 91 20
US content	0%
ADR	UN3091

## Typical number of reports

Network used	2G
1 report/day	5000
4 report/day	7000
24 report/day	8000

Without GPS add 10% to above.

\*) Depending on signal and temperature conditions



Version 4.1 - Subject to change without notice.  
This data sheet references to firmware 3.04 or newer.