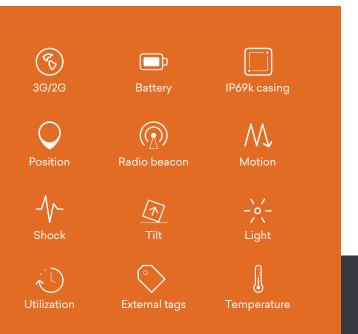
TG9

IoT tracking device

TG9 is a small IoT device for longterm tracking and data monitoring of assets and equipment globally.

Featuring robust casing with long battery life, it comes with advanced and intelligent sensor technology.



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TG9 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.

Its **robust casing** is suited for all industrial environments and all-weather conditions with an operating temperature range from -30°C to +85°C. Battery lifetime is typical 7 years based on 1 transmission/day.

The device uses a penta-band **3G/2G module** 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.



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Specifications	Туре: Т9.300		
Battery lifetime	Typical 6000 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 200 entrie of all data incl. position and sensor data		
Antenna, GPS	Internal		
Antenna, 3G/2G	Internal		
Antenna, radio	Internal		
Radio beacon	UHF		
Network technology	3G/2G, penta-band (850/900/1800/1900/2100 MHz)		
SIM	Embedded, subscription required		
Server communication	GPRS/UMTS/HSPA with SMS backup		
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	112 x 68 x 39 mm		
Weight	405 gram		
Battery package	47 Wh (Primary lithium, encapsulated)		
Lithium content	3,8 gram		
Temperature, operating	-30 °C to +85 °C		
Temperature, storage	+30 °C max (recommended)		
ADR	UN3091		
US content	0%		
ECCN	EAR99		
HS (TARIC export) code	8526912020		
Country of origin	Made in Denmark		

Typical number of transmissions

Network	3G	3G/2G **	2G
1 transmission/day	6000	5500	5000
4 transmissions/day	9000	8000	7000
24 transmissions/day	10000	9000	8000

Without GPS, add 10% to above

*) Depending on signal and temperature conditions **) 50% 3G and 50% 2G

