

T7+

IoT tracking device

T7+ is a small 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.



2G



Position



Triangulation



Utilization



Temperature



Humidity



Shock



Tilt



Light



Battery



Radio Beacon



Flight mode



T7+ is a small and unique product with typical 5 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.

T7+ 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 protection and recovery.

T7+ 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.

T7+ uses a quad-band 2G module to send position reports to a server. 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.

Sensors can trigger other reports: Temperature, Light, 3-axis accelerometer for accurate Motion, Shock, Tilt, and Utilization.

A log will store all data in case of no coverage and forward once coverage is available again.

A flight mode feature suppresses any radio transmission during the flight to ensure safe conditions.

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

T7+ Specifications

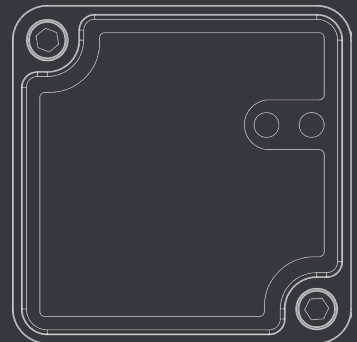
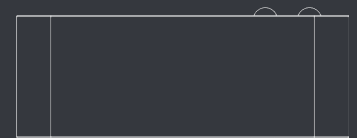
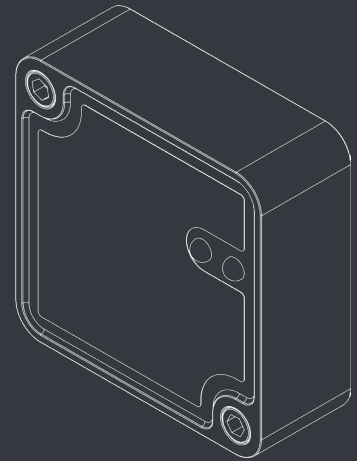
Battery lifetime	Typical 2500 reports based on 1 report/day *
Sensors	Position, Motion, Tilt, Temperature, Light, Utilization, 3-axis Shock (up to 8 g)
LOG	Store-and-forward log up to 100 reports, all data incl. position and sensor data
Network technology	2G, quad-band (850/900/1800/1900 MHz)
Antenna, GPS	Internal
Antenna, 2G	Internal
Antenna, radio	Internal
Radio beacon	434 MHz
SIM	Embedded, subscription required
Server communication	GPRS with SMS backup
Server protocols	API available upon request
Configuration	Via server
Temperature, operating	-30°C to +85°C
Temperature, storage	-40°C to +85°C
Housing	PA6 (nylon) potted with epoxy
IP rating	IP69k
Dimensions	68 x 68 x 25 mm
Weight	170 g
Battery package	7,8 Ah (3 x primary lithium, encapsulated)
Lithium content	2,07 gram
ADR	UN3091
US content	0%
ECCN	EAR99
HS (Taric export) code	8526912020

Typical number of reports

Network	2G
1 report/day	2500
4 report/day	3500
24 report/day	4000

Without GPS add 10% to above.

*) Depending on signal and temperature conditions



Version 4.3 - Subject to change without notice.
This data sheet references to firmware 3.05 or newer.