



*tino\_basic (TBX-01BK)*

features:

- GPS-locating
- data transmission via GSM/GPRS, TCP/IP
- integrated GPS/GSM antenna
- digital clock
- remote configurable
- SMS communication with integrated password protection
- vibration detection
- GEO-Fencing with SMS-alarm
- temperature sensor (optional)
- battery status
- IP 65 (module is protected against water and dust)
- easy installation

application spectrum of TINO

TINO – *tracking information node* – is a battery-powered system for GPS-locating and transmission of the position data to a control center by GSM/GPRS. TINO is perfect for tracking of vehicles or goods that cannot support the location process with an onboard electrical system or where a connection to the electrical system is not wanted. Possible applications for the *tracking information node* are:

- swap trailer
- boat trailer
- container
- transport boxes
- construction vehicle
- mobile home
- movable goods



hardware	specification
GPS	20-channel GPS receiver
	SiRF Star III chip with: - 159 dBm sensitivity (tracking mode) - 146 dBm sensitivity (acquisition mode)
	TTFF (hot fix): < 1 sec. (average)
	TTFF (cold fix): < 42 sec. (average)
GSM/GPRS	quad-band (GSM 850/900 MHz, DCS 1800 MHz, PCS 1900 MHz)
	GPRS/EDGE class 12, class B
	TCP/IP, SMS, UDP (optional)
	1,8/3V SIM card reader
battery	6 x Mignon AA (Li/FeS <sub>2</sub> ) / 1,5 V / 3000mAh
box dimensions	170 x 60 x 42 mm
internal storage	up to 4.000 position data in internal storage (if transmission via GSM-net is not available)

## How to use TINO

TINO forwards all position data by using the TCP/IP protocol via the GSM net to a web based user interface for localization, dispatching and monitoring. This protocol is supported by all leading fleet management websites on the market. TINO can easily be integrated into all localization portals and works with your fleet management program. Please do not hesitate to contact us for further information: [info@intransid.de](mailto:info@intransid.de)

## operating conditions

	unit	min.	max.	remark
temperature	°C	-20	+ 60	operating temperature for TINO module
relative humidity	%	20	80	
completed service life	years	3 *		valid for one localization and on data transmission per day

\* results may vary depending on used battery type and environmental conditions

## certification

EN 60950-1  
EN 300 440 Rx class 3  
EMC – R & TTE i.a.w. EN 301 489-7/24

further information available at:

[www.track-tino.com](http://www.track-tino.com)

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