



Tramigo T23 Track Technical Data

Industry benchmark footprint and functionality

Target Segment		Cars and personal security
GPS	Receiver type	Telit JF2, SiRF 4
	Number of Channels	48 tracking
	Navigation sensitivity	Acquisition -147 dBm, tracking -163 dBm, cold start <35 s, hot start 1 s
	A-GPS	CGEE
	Antijamming	Remove interference from up to 8 jammers
GSM / GPRS	Modem type	Sierra Wireless Wismo 228 GSM/GPRS (Multi slot class 10, Terminal B
	Frequencies	850 MHz, 900 MHz, 1800 MHz, 1900 MHz
	Communication	SMS, TCP, UDP
	SIM card type	Normal
MCU	Processor	ARM Cortex-M3
	Code Memory	786 kbytes (total code memory)
	RAM	96 kbytes (total RAM)
	Data flash	16 Mbytes (total data flash)
Audio	Microphone	No (Microphone variants possible)
User interface	Buttons	Power button
	LEDs	3 status LEDs for Power, GPS and GSM
Connectivity	Power and IO	GPIO (Power and I/O connectors) and Micro USB (Power and data)
I/O Features	Inputs	1 Dedicated
		2 Switch *
		1 Digital *
	Outputs	1 Digital
		1 Dedicated Immobilizer *
	I/O cable type	5 wires or 12 wires Molex 43045-1200
Antennas	GPS	Internal GPS
	GSM	Internal quad band antenna
Sensors	Onboard	Shock, 3D accelerometer, temperature
Power	Consumption	Operation: Typical 40-90 mA, Standby: 1 mA
	Input voltage	6 - 32 DC
Battery	Li-ion	1300 mAh Note: Internal backup battery
	Operation time	Typical 1 day, depends on user profile and conditions
		Standby up to 50 days
Software features	Communication	SMS and GPRS with message buffering on data flash
	Over-the air updates	Configuration, parameters, firmware including application
	Landmark database	Landmark databases for many countries, containing whole continent
		(check availability)
Temperature range	Operation	-20 - +80 °C, Li-ion discharge -20 - +60 °C, Li-ion charge 0 - +45 °C
Certifications		RoHS, CE 2004/108/EC, 99/5/EC
Available versions		Flash size variants, Landmark Database, language, casing
Dimensions		100 mm x 60 mm x 21 mm
Weight		120g (with battery), 90g (without battery)

^{*} Optional