



Tramigo T23 Fleet Security Pro Technical Data

Industry benchmark footprint and functionality

Target Segment		Fleet, Heavy machinery and Trucks
GPS	Receiver type	Sierra XM1100
	Number of Channels	48 tracking
	Navigation sensitivity	Acquisition -148 dBm, tracking -165 dBm, cold start <35 s, hot start 1 s
	Antijamming	Remove interference from up to 8 jammers
GSM / GPRS	Modem type	Sierra Wireless HL6528 GSM/GPRS (Multi slot class 10, Terminal B)
	Frequencies	850 MHz, 900MHz, 1800 MHz, 1900MHz
	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	Optional microphone/headset for remote listening
User interface	Buttons	Power, emergency call and SOS buttons
	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 Ignition 2 Switch (SOS, Sensor) 1 Digital (Powercut) 1 Analog (0 - 30V, 12-bits) 1 1-Wire interface (Multiple 1-Wire sensors and meters in one input)
	Outputs	1 Digital 1 Dedicated Immobilizer
	I/O cable type	12 wires Molex 43045-1200
Antennas	GPS	Internal GPS and optional external antenna (Fakra connector)
	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		130 x 60 x 26 mm
Weight		165 g (with battery), 125g (without battery)